

HICKOK

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FSN	
MPN	3200-330
FMC	28569
BIN LOC	
U/I	EA
QTY	CHART TUBE TESTER BOOK

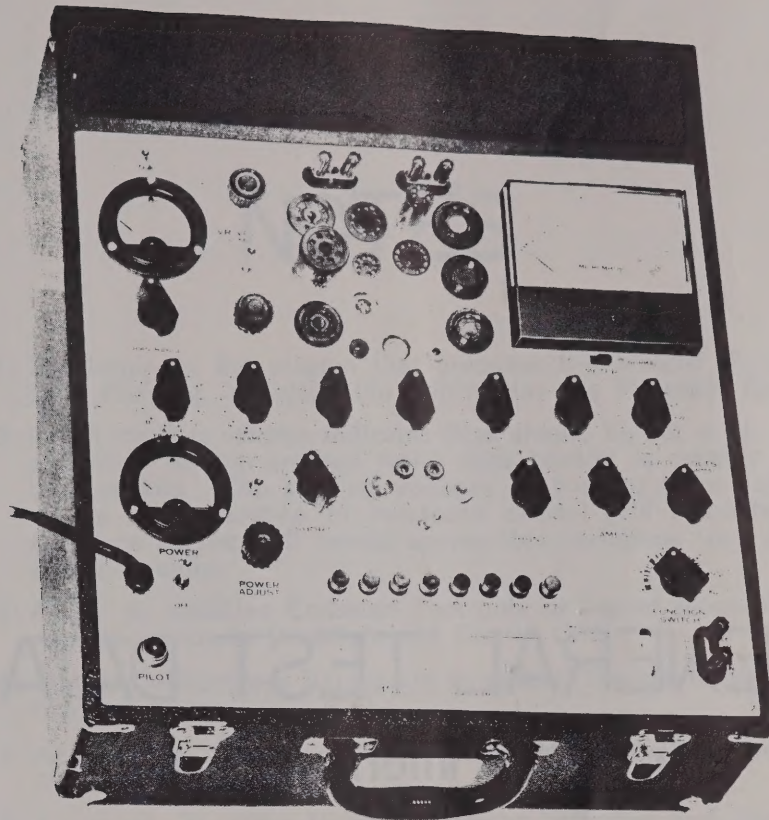
TEST DATA
FOR
MODEL S 539B & 539C

HICKOK

ELECTRICAL INSTRUMENT COMPANY
10514 Dupont Avenue • Cleveland, Ohio 44108 • Phone 216-541-8060

129
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TEST DATA
FOR
MODELS 539B & 539C
TUBE TESTERS

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10514 DUPONT AVENUE • CLEVELAND, OHIO 44108

PHONE — 541-8060
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CABLE — HICKOK, CLEVELAND
WESTERN UNION — KJ

GENERAL TEST DATA

For further information see

OBSOLETE TUBE TYPES

FOREIGN TUBE TYPES

NOTES

- Note 1: The letter, in the column that precedes the Mutual Conductance Reading, indicates the setting for the Function Switch.
- Note 2: A * in the Bias column indicates Bias should be set at 40 Volts and proper button pressed while Bias control is rotated until tube strikes. The striking voltages on the chart are nominal values and reference to handbook critical grid characteristic thyratron curves will reveal appreciable variations from these average values.
- Note 3: A star ★ indicates Emission Test only and good tubes should read above mark, Rectifiers and Diodes O.K.
- Note 4: Mutual Conductance Values are minimum. Discard tubes which read lower.
- Note 5: Adjust Bias Volts after P4 is pressed for Mutual Conductance Readings.
- Note 6: A symbol (♣) in the Notations column indicates that Short on Position A is normal.
- Note 7: A symbol (‡) to the right of the tube type indicates that for TUBE TESTER Model 539B, the Universal Adapter CA-5, 1050-164, is available for testing tubes with the more recent type basings, such as, Compactrons, Novars, 5 and 7-pin Nuvistors and the new 10-pin tubes, including Decals. The CA-4, 1050-135 Adapter (Discontinued) can still be used, but requires the use of the SA-11, 1050-177 Adapter for testing Decal types. Test data for these tubes is supplied in supplementary form with the adapters.

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT PRESS	MIN. MUT. COND.	NOTATIONS		
0A2	Off AP-0502-0	---	---	P4	H	150v { Starts at about 155 V Regulation=2 Volts From 5 to 30 MA	2AF4	2.5	ET-2105-0	1.4	---	C	4200	Plate Volts=Low	
0A3/VR75	Off AP-0502-0	---	---	P4	H	75v { Starts at about 100 V Regulation=5 Volts From 5 to 40 MA	2AH2†	2.5	B3-0000-0	0.0	0	G	★	Cap=P	
0B2	Off AP-0502-0	---	---	P4	H	108v { Starts at about 115V Regulation=2 Volts From 5 to 30 MA	2AS2†	2.5	B3-0000-0	0.0	0	G	★	Cap=P	
0B3/VR90	Off AP-0502-0	---	---	P4	H	90v { Starts at about 105V Regulation=5 Volts From 5 to 30 MA	2AV2	2.0	EV-0900-0	0.0	0	G	★	Cap=P	
0C2	Off AP-0502-0	---	---	P4	H	75v { Starts at about 105V. Regulation=3 Volts From 5 to 30 MA.	2AZ2	2.0	BS-0000-0	0.0	35	G	★	Cap=P	
0C3/VR105	Off AP-0502-0	---	---	P4	H	105v { Starts at about 115V Regulation=2 Volts From 5 to 40 MA	2BA2	2.0	EV-0100-0	0.0	46	G	★	Cap=P	
0D3/VR150	Off AP-0502-0	---	---	P4	H	150v { Starts at about 180V Regulation=2 Volts From 5 to 40 MA	2BJ2	2.5	BS-0000-0	0.0	23	G	★	Cap=P	
0E3/85A1	Off AP-0208-0	---	---	P4	H	85v { Starts at about 120V Regulation=3 Volts From 1 to 8MA	2BN4	2.0	ET-2501-0	1.9	---	C	4300	Cap=P	
0G3/85A2	Off AP-0102-0	---	---	P4	H	85v { Starts at about 125V Regulation=3 Volts From 1 to 10 MA	2BN4A	2.0	ET-2501-0	2.4	---	C	5000	Cap=P	
{0Z4	Off AP-0508-0	0.0	91	P2	G	★ { Plate No. 1. Hold Button down for 5 seconds	2BU2†	2.5	B3-0000-0	0.0	12	G	★	Cap=P	
{0Z4	Off AP-0308-0	0.0	91	P2	G	★ { Plate No. 2. Hold Button down for 5 seconds	{2C51	6.3	KR-7608-2	2.0	---	C	3150	Triode No. 1	
1A3	1.4 HR-0203-0	0.0	---	P1	D	★ Diode	{2C51	6.3	KR-3402-8	2.0	---	C	3150	Triode No. 2	
1AD2†	1.4 B3-0000-0	0.0	---	P5	C	★ Cap=P	2CN3A	2.0	HS-0000-0	0.0	20	G	★	Cap=P	
1AD4	1.1 DV-4120-0	1.0	---	P4	D	★ Cap=P	{2CW4†	2.0	DR-4208-0	0.5	---	C	5000	Plate Volts=Low. Use Adapter SA-3, 1050-127. Note 7	
1AG4	1.1 DV-4120-0	4.3	---	P4	C	1000★ Plate Volts=Low	Model 539C:								
1AH4	1.1 FT-4120-0	1.7	---	P4	E	630★ Plate Volts=Low	{2CW4	2.0	13-4208-0	0.5	---	C	5000	Plate Volts=Low	
1AK4	1.1 FT-4120-0	1.0	---	P4	D	470★ Plate Volts=Low	2CY5	2.5	ET-1562-0	1.0	---	C	2800	Plate Volts=Low	
1AU2	1.1 EV-0900-0	0.0	0	P5	G	470★ Plate Volts=Low	2D21	6.3	ET-1602-5	#	89	P5	★	Strikes at about 1.8 V.	
1AY2	1.1 CX-0000-0	0.0	27	P5	G	★ Cap=P. Connect Fil. Pins to Octal Socket Pins 2 & 7 with External Leads.	2DF4	2.5	EV-8310-0	4.8	---	P4	D	2500	Short on Pos. 1-2-A-B
1B3	1.1 HS-0000-0	0.0	12	P5	G	★ Cap=P	{2DS4†	2.0	DR-4208-0	0.4	---	C	4700	Plate Volts=Low. Use Adapter SA-3, 1050-127. Note 7	
1BC2	1.1 BV-0000-0	0.0	10	P5	G	★ Cap=P	Model 539C:								
1BH2	1.1 DW-0000-0	0.0	10	P5	G	★ Cap=P	{2DS4	2.0	13-4208-0	0.4	---	C	4700	Plate Volts=Low	
1BK2	1.4 BS-0000-0	0.0	14	P5	G	★ Cap=P. Connect Fil. Lugs to Octal Socket Pins 3 & 8	2DV4†	2.0	13-6207-0	0.8	---	C	7000	Plate Volts=Low	
1BX2	1.4 BS-0000-0	0.0	12	P5	G	★ Cap=P	2DX4	2.5	ET-2105-0	3.6	---	C	5350	Plate Volts=Low	
1BY2†	1.1 B3-0000-0	0.0	---	P5	C	★ Cap=P	2EA5	2.5	ET-1562-0	1.2	---	C	3500	Plate Volts=Low	
1DG3	1.1 DV-0000-0	0.0	---	P5	C	★ Cap=P	{2EG4†	2.0	DR-4208-0	1.7	---	C	3000	Set "Power Adjust" at 91V. Use Adapter SA-3, 1050-127. Note 7	
1D-K29	1.1 BS-0000-0	0.0	---	P3	B	★ Top Lead=P. Connect Fil. Leads to Pins 1 and 2	Model 539C:								
1G3	1.1 HS-0000-0	0.0	12	P5	G	★ Cap=P	{2EG4	2.0	13-4208-0	1.7	---	C	3000	Set "Power Adjust" at 91V.	
1H2	1.4 BS-0000-0	0.0	0	P5	G	★ Cap=P	{2EN5	2.0	ET-0705-6	0.0	0	P1	★	Diode No. 1	
1K3	1.1 HS-0000-0	0.0	---	P5	G	★ Cap=P	{2EN5	2.0	ET-0205-6	0.0	0	P1	★	Diode No. 2	
1N2	1.1 HS-0000-0	0.0	12	P5	G	★ Cap=P	2ER5	2.0	ET-2567-0	0.8	---	C	6600		
{1R5	1.4 BX-6234-0	2.0	---	P4	E	★ No. 3 Grid Plate Volts =Low	2ES5	2.5	ET-2501-0	1.0	---	C	4500		
1R5	1.4 BX-4306-2	2.0	---	P4	E	★ One Sect. Plate Volts =Low	2EV5	2.5	ET-1562-0	1.2	---	C	5500		
1R-K23	1.4 ES-0000-0	0.0	14	P5	G	★ Cap=P	2FH5	2.5	ET-2507-0	1.0	---	C	5000		
1S2A	1.4 ES-0000-0	0.0	14	P5	G	★ Cap=P	2FQ5	2.5	ET-2507-6	1.2	---	C	5000		
1S4	1.4 BX-3240-0	4.5	---	P4	E	★ Cap=P	2FQ5A	2.5	ET-2507-6	1.2	---	C	6500		
{1S5	1.4 BX-6540-0	1.0	---	P4	E	★ Pent. Sect. Plate Volts =Low	2FS5	2.5	ET-1567-0	0.2	---	C	5500		
{1S5	1.4 BX-0340-0	0.0	---	P1	D	★ Diode Sect.	2FV6	2.5	ET-1567-2	2.0	---	C	3500		
1U4	1.4 BX-6230-0	1.7	---	P4	E	★ Cap=P	2GK5	2.5	ET-2507-6	1.2	---	C	6500		
1V2	0.6 EV-0900-0	0.0	0	P5	G	★ Cap=P	2GU5	2.5	ET-1562-0	0.4	---	C	8500		
1W5	1.1 EV-2780-0	0.5	12	P5	G	★ Cap=P	2GW5	2.5	ET-2105-0	1.2	---	C	9400		
1X2	1.1 BS-0000-0	0.0	12	P5	G	★ Cap=P	2HA5	2.0	ET-1507-6	1.2	---	C	8000		
							2HK5	2.5	ET-1502-0	1.0	---	C	7500		
							2HM5	2.5	ET-1507-6	1.2	---	C	8000		
							2HQ5	2.5	ET-1507-6	1.4	---	C	4500		
							2T4	2.5	ET-2105-0	1.4	---	C	4400	Plate Volts=Low	
							3A2	3.0	BS-0000-0	0.0	30	P5	★	Cap=P	
							3A3	3.0	HS-0000-0	0.0	0	P5	★	Cap=P	
							3AF4A	3.0	ET-2105-0	1.4	---	C	4200	Plate Volts=Low	

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{3AL5	3.0	ET-0701-6	0.0	0	P1	G	Diode No. 1	3DH3	3.0	DY-0000-0	0.0	35	P5	★	Cap=P
3AL5	3.0	ET-0205-6	0.0	0	P1	G	Diode No. 2	3DJ3	3.0	HS-0000-0	0.0	35	P5	★	Cap=P
3AT2†	3.0	B3-0000-0	0.0	17	P5	G	Cap=P	3DK6	3.0	ET-1562-7	1.0	---	P4	4400	
3AU6	3.0	ET-1567-2	1.0	---	P4	C		3DR3	3.0	DS-0000-0	0.0	35	P5	★	Cap=P
{3AV6	3.0	ET-1702-5	1.3	---	P4	E	Triode Sect.	3DS3	3.0	DS-0000-0	0.0	35	P5	★	Cap=P
3AV6	3.0	ET-1602-5	0.0	---	P1	D	Diode No. 1	{3DT6	3.0	ET-1562-7	3.4	---	P4	380	Grid No. 1
{3AV6	3.0	ET-1502-7	0.0	---	P1	D	Diode No. 2	{3DT6	3.0	ET-7562-1	1.8	---	---	315	Grid No. 3 Hold down P1 and Press P4
3AW2†	3.0	C3-0000-0	0.0	20	P5	G	Cap=P	3DX4	3.0	ET-2105-0	3.6	---	P4	5350	Plate Volts=Low
3AW3	3.0	HS-0000-0	0.0	0	P5	C	Cap=P	3DZ4	3.0	ET-2105-0	0.8	---	P4	5000	
3B2	3.0	HS-0000-0	0.0	---	P5	E	Cap=P	3EA5	3.0	ET-1562-0	1.2	---	P4	3500	
3B4	2.5	EV-3710-0	15.0	---	P4	E		3EH7	3.0	EV-2781-9	2.8	---	P4	3200	
3BA6	3.0	ET-1567-2	1.0	---	P4	D		3EJ7	3.0	EV-2781-9	1.2	---	P4	4900	
3BC5	3.0	ET-1562-0	0.6	---	P4	C		3ER5	3.0	ET-2567-0	0.8	---	P4	6600	
{3BE6	3.0	ET-7562-1	0.0	---	---	D	Ampl. Sect. Hold down P1 and Press P4	3EV5	3.0	ET-1562-0	1.2	---	P4	5500	
3BE6	3.0	ET-1602-7	2.0	---	P4	C	Osc. Sect.	3FH5	3.0	ET-2507-0	1.0	---	P4	5500	
3BL2†	3.0	B3-0000-0	0.0	12	P5	G	Cap=P	3FS5	3.0	ET-1567-0	0.2	---	P4	5500	
3BM2†	3.0	B3-0000-0	0.0	12	P5	G	Cap=P	3GK5	3.0	ET-2507-6	1.2	---	P4	6500	
3BN2†	3.0	B3-0000-0	0.0	---	P5	E	Cap=P	3GW5	3.0	ET-2105-0	1.2	---	P4	9400	
3BN4	3.0	ET-2501-0	1.9	---	P4	C	Cap=P	3HA5	2.5	ET-1507-6	1.2	---	P4	8000	
3BN4A	3.0	ET-2501-0	2.4	---	P4	C		3HK5	3.0	ET-1502-0	1.0	---	P4	7500	
{3BN6	3.0	ET-2751-6	0.0	---	P4	E	Limiting Grid	3HM5	3.0	ET-1507-6	1.2	---	P4	8000	
{3BN6	3.0	ET-6751-2	0.4	---	P4	D	Plate Volts=Low	3HO5	3.0	ET-1507-6	1.4	---	P4	4500	
3BS2A†	3.0	B3-0000-0	0.0	12	P5	G	Quadrature Grid	3JC6	3.0	EV-2781-9	0.8	---	P4	6500	
3BT2†	3.0	C3-0000-0	0.0	20	P5	G	Plate Volts=Low	3JD6	3.0	EV-2781-9	1.0	---	P4	6000	
{3BU8	3.0	EV-7821-9	0.0	---	---	D	Cap=P	3JH6	3.0	ET-1562-7	1.2	---	P4	3500	
3BU8	3.0	EV-7321-6	0.0	---	---	D	Pent. No. 1. Hold down P1 and Press P4	{3KF8	3.0	EV-7821-9	1.0	---	P4	350	Pent. No. 1
3BW2†	3.0	B3-0000-0	0.0	35	P5	G	Pent. No. 2. Hold down P1 and Press P4	{3KF8	3.0	EV-7321-6	1.0	---	P4	350	Pent. No. 2
3BX6	3.0	EV-2781-9	0.5	---	P4	C	Cap=P	3KT6	3.0	EV-2781-9	1.0	---	P4	7500	
{3BY6	3.0	ET-1562-7	1.0	---	P4	D		3KV4	3.0	HR-6230-0	6.0	---	P4	2500	
{3BY6	3.0	ET-7562-1	3.2	---	---	D	Grid No. 1	4AU6	4.3	ET-1567-2	1.0	---	P4	800	Triode Sect.
3BZ6	3.0	ET-1562-7	1.2	---	P4	C	Grid No. 2	{4AV6	4.3	ET-1702-5	1.3	---	P4	2500	
3C4	2.5	BX-6230-0	4.0	---	P4	E	Cap=P	{4AV6	4.3	ET-1602-5	0.0	---	P1	3100	Diode No. 1
3CA3	3.0	HS-0000-0	0.0	13	P5	G		{4AV6	4.3	ET-1502-7	0.0	---	P1	3100	Diode No. 2
3CB6	3.0	ET-1562-7	1.0	---	P4	C		4BC5	4.3	ET-1562-0	0.6	---	P4	3900	Triode No. 1
3CE5	3.0	ET-1562-0	1.0	---	P4	C	Cap=P	{4BC8	4.3	EV-7608-9	2.4	---	P4	3900	Triode No. 2
3CN3A	3.0	HS-0000-0	0.0	20	P5	G	Cap=P	{4BN6	4.3	ET-2751-6	0.0	---	P4	250	Limiting Grid. Plate volts=low
{3CS6	3.0	ET-1562-7	0.0	---	P4	D	Grid No. 1	{4BN6	4.3	ET-6751-2	0.4	---	P4	570	Quadrature Grid. Plate volts=low
{3CS6	3.0	ET-7562-1	0.0	---	P4	D	Grid No. 2	{4BQ7A	4.3	EV-7608-9	2.0	---	P4	4000	Triode No. 1
3CU3	3.0	HS-0000-0	0.0	12	P5	G	Cap=P	{4BQ7A	4.3	EV-2103-9	2.0	---	P4	4000	Triode No. 2
3CV3A	3.0	HS-0000-0	0.0	17	P5	G	Cap=P	{4BS8	4.3	EV-7608-9	0.0	---	P4	4100	Triode No. 1
3CX3	3.0	DY-0000-0	0.0	20	P5	G	Cap=P	{4BS8	4.3	EV-2103-9	0.0	---	P4	4100	Triode No. 2
3CY3	3.0	HS-0000-0	0.0	20	P5	G	Cap=P	{4BU8	4.3	EV-7821-9	0.0	---	---	630	Plate Volts=Low
3CY5	3.0	ET-1562-0	1.0	---	P4	C	Cap=P	{4BU8	4.3	EV-7321-6	0.0	---	---	630	Plate Volts=Low
3CZ3	3.0	HS-0000-0	0.0	12	P5	C	Cap=P	4BZ6	4.3	ET-1562-7	1.2	---	P4	3850	Pent. No. 1. Hold down P1 and Press P4
3DA3	3.0	DY-0000-0	0.0	20	P5	G	Cap=P	{4BZ7	4.3	EV-7608-9	2.2	---	P4	4300	Triode No. 1
3DB3	3.0	HS-0000-0	0.0	0	P5	G	Cap=P	{4BZ7	4.3	EV-2103-9	2.2	---	P4	4300	Triode No. 2
3DC3	3.0	HS-0000-0	0.0	12	P5	G	Cap=P	4CB6	4.3	ET-1562-7	1.0	---	P4	3900	
3DF3	3.0	DY-0000-0	0.0	20	P5	G	Cap=P	{4CS6	4.3	ET-1562-7	0.0	---	P4	500	Grid No. 1
{3DG4	3.0	DR-0700-0	0.0	90	P3	G	Cap=P	{4CS6	4.3	ET-7562-1	0.0	---	P4	790	Plate Volts=Low
{3DG4	3.0	DR-0500-0	0.0	90	P3	G	Plate No. 1								
							Plate No. 2								

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT PRESS	MIN. MUT. COND.	NOTATIONS
4CY5	4.3	ET-1562-0	1.0	P4	C	2800	5AQ5	5.0	ET-1562-0	2.1	---	D	2600
4DE6	4.3	ET-1562-7	1.0	P4	C	3900	{5AR4	5.0	JS-0600-0	0.0	88	G	★
4DK6	4.3	ET-1562-7	1.0	P4	C	4400	{5AR4	5.0	JS-0400-0	0.0	88	G	★
{4DT6	4.3	ET-1562-7	3.4	P4	E	380	{5AS8	5.0	EV-2913-7	1.0	---	P3	3900
{4DT6	4.3	ET-7562-1	1.8	---	E	315	{5AS8	5.0	EV-0608-7	0.0	0	P1	G
4EH7	4.3	EV-2781-9	2.8	P4	C	3200	{5AT8	5.0	EV-9673-8	1.2	---	P4	C
4EJ7	4.3	EV-2781-9	1.2	P4	C	4900	{5AT8	5.0	EV-1203-8	2.0	---	P4	C
{4ES8	4.3	EV-7608-0	2.4	P4	C	7500	{5AU4	6.3	JS-0600-0	0.0	88	P3	G
{4ES8	4.3	EV-2103-0	2.4	P4	C	7500	{5AU4	6.3	JS-0400-0	0.0	87	P3	G
4EW6	4.3	ET-1562-7	0.6	P4	C	6500	{5AV8	5.0	EV-6987-3	0.8	---	P4	C
4GK5	4.3	ET-2507-6	1.2	P4	C	6500	{5AV8	5.0	EV-2301-9	4.6	---	P4	C
4GM6	4.3	ET-1562-7	1.0	P4	C	6000	{5B8	5.0	EV-6987-1	1.0	---	P4	C
{4GS8	4.3	EV-7821-9	0.0	---	D	630	{5B8	5.0	EV-2301-9	4.4	---	P3	G
{4GS8	4.3	EV-7321-6	0.0	---	D	630	{5BC3†	5.0	BT-0900-0	0.0	85	G	★
{4GX7	4.3	EV-2671-0	1.0	P4	C	4400	{5BC3	5.0	BT-0500-0	0.0	83	P3	G
{4GX7	4.3	EV-9801-0	1.4	P4	C	5300	{Model 539C: No Adapter Required.						
4GZ5	4.3	ET-2761-0	2.7	P4	D	3300	{5BE8	5.0	EV-9678-3	0.8	---	P4	C
4HA5	4.3	ET-1507-6	1.2	P4	C	8000	{5BE8	5.0	EV-1203-0	1.0	---	P4	C
{4HA7†	4.3	B3-9W04-0	2.2	P4	D	2000	{5BK7A	5.0	EV-7608-9	1.2	---	P4	C
{4HA7†	4.3	B3-X203-0	2.0	P4	E	360	{5BK7A	5.0	EV-2103-9	1.2	---	P4	C
{4HC7†	4.3	B3-9W04-0	0.6	P4	C	2850	{5BQ7A	5.0	EV-7608-9	2.0	---	P4	C
{4HC7†	4.3	B3-X203-0	2.4	P4	E	400	{5BQ7A	5.0	EV-2103-9	2.0	---	P4	C
4HK5	4.3	ET-1502-0	1.1	P4	C	8000	{5BR8	5.0	EV-9678-0	0.8	---	P4	C
4HM5	4.3	ET-1507-6	1.2	P4	C	8000	{5BR8	5.0	EV-1203-0	1.0	---	P4	C
4HM6	4.3	EV-2781-9	0.8	P4	C	6700	{5BT8	5.0	EV-8679-0	1.0	---	P4	C
4HQ5	4.3	ET-1507-6	1.4	P4	C	4500	{5BT8	5.0	EV-0103-0	0.0	---	P1	E
{4HS8	4.3	EV-7821-9	1.0	P4	D	500	{5BT8	5.0	EV-0203-0	0.0	---	P1	E
{4HS8	4.3	EV-7321-6	1.0	P4	D	500	{5BW8	5.0	EV-6987-0	0.8	---	P4	D
4HT6	4.3	EV-2781-9	0.8	P4	C	5300	{5BW8	5.0	EV-0302-0	0.0	0	P1	G
4JC6	4.3	EV-2781-9	0.8	P4	C	7400	{5BW8	5.0	EV-0102-0	0.0	0	P1	G
4JD6	4.3	EV-2783-9	0.5	---	C	4700	{5CG8	5.0	EV-9678-0	1.2	---	P4	C
4JH6	4.3	ET-1562-7	1.2	P4	C	3500	{5CG8	5.0	EV-1203-0	2.0	---	P4	C
4JK6	4.3	ET-1562-7	0.4	P4	B	6600	{5CL8	5.0	EV-9678-0	1.0	---	P4	D
4JL6	4.3	ET-1562-7	12.0	P4	C	4350	{5CL8	5.0	EV-1203-0	0.7	---	P4	C
{4JW8	4.3	EV-2637-0	1.6	P4	D	2400	{5CM8	5.0	EV-2673-0	1.0	---	P4	C
{4JW8	4.3	EV-9108-0	1.1	P4	D	2200	{5CM8	5.0	EV-9108-0	1.1	---	P4	D
{4KE8	4.3	EV-2637-0	0.6	P4	C	5100	{5CQ8	5.0	EV-2637-0	0.6	---	P4	D
{4KE8	4.3	EV-9108-0	1.4	P4	C	4600	{5CQ8	5.0	EV-9108-0	1.1	---	P4	D
{4KF8	4.3	EV-7821-9	1.0	P4	E	350	5CZ5	5.0	EV-3917-0	1.0	---	P4	D
{4KF8	4.3	EV-7321-6	1.0	P4	E	350	{5DH8	5.0	EV-9678-0	0.8	---	P4	D
4KT6	4.3	EV-2781-9	1.0	P4	C	7500	{5DH8	5.0	EV-1203-0	1.3	---	P4	C
{4LJ8	4.3	EV-9678-0	0.6	P4	C	5600	{5DJ4	5.0	JS-0600-0	0.0	87	P3	G
{4LJ8	4.3	EV-1203-0	1.8	P4	C	4700	{5DJ4	5.0	JS-0400-0	0.0	84	P3	G
4LU6	4.3	ET-1562-7	1.0	---	C	4400	{5EA8	5.0	EV-2637-0	0.8	---	P4	D
{4MK8	4.3	EV-7821-9	0.0	---	D	630	{5EA8	5.0	EV-9108-0	1.4	---	P4	C
{4MK8	4.3	EV-7321-6	0.0	---	D	630	{5ES8	5.0	EV-7608-0	2.4	---	P4	C
{5AM8	5.0	EV-2631-9	0.4	P4	C	3650	{5ES8	5.0	EV-2103-0	2.4	---	P4	C
{5AM8	5.0	EV-0807-0	0.0	0	P1	★	{5EU8	5.0	EV-7198-0	0.8	---	P4	D
5AN8	5.0	EV-8679-1	0.8	P4	C	3900	{5EU8	5.0	EV-2306-0	1.4	---	P4	C
{5AN8	5.0	EV-2173-6	4.6	P4	D	2100	5EW6	5.0	ET-1562-7	0.6	---	P4	C

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{5FG7	5.0	EV-9678-0	1.0	---	P4	D	Pent. Sect.	{5V3	5.0	JS-0600-4	0.0	87	P3	G	Plate No. 1
{5FG7	5.0	EV-1203-0	1.4	---	P4	C	Triode Sect.	{5V3	5.0	JS-0400-6	0.0	86	P3	G	Plate No. 2
{5FV8	5.0	EV-9678-0	1.0	---	P4	D	Pent. Sect.	{5V4	5.0	JS-0600-0	0.0	89	P3	G	Plate No. 1
{5FV8	5.0	EV-1203-0	1.6	---	P4	D	Triode Sect.	{5V4	5.0	JS-0400-0	0.0	89	P3	G	Plate No. 2
{5GH8	5.0	EV-2637-0	1.7	---	P4	D	Pent. Sect.	5V6	5.0	HS-5348-0	3.3	---	P4	D	2600
{5GH8	5.0	EV-9108-0	1.3	---	P4	C	Triode Sect.	{5V9†	5.0	FW-3741-2	1.0	---	---	E	700
{5GM6	5.0	ET-1562-7	1.0	---	P4	C		{5V9†	5.0	FW-8W09-0	2.4	---	P4	C	3150
{5GS7	5.0	EV-9678-0	0.4	---	P4	C	Pent. Sect.	{5V9	5.0	EV-7986-1	1.2	---	P4	C	2900
{5GS7	5.0	EV-1203-0	5.0	---	P4	C	Triode Sect.	{5X8	5.0	EV-2306-1	2.0	---	P4	C	3650
{5GX6	5.0	ET-1562-7	1.5	---	P4	E	900	{5X9†	6.3	FW-3782-4	1.5	---	P4	C	4700
{5GX7	5.0	EV-2671-0	1.0	---	P4	C	Pent. Sect.	{5X9	6.3	FW-W901-0	1.2	---	P4	C	3000
{5GX7	5.0	EV-9801-0	1.4	---	P4	C	Triode Sect.	{5Y3	5.0	JS-0600-0	0.0	80	P3	G	Plate No. 1
{5HA7†	5.0	B3-9W04-0	2.2	---	P4	D	Triode No. 1	{5Y3	5.0	JS-0400-0	0.0	75	P3	G	Plate No. 2
{5HA7	5.0	B3-X203-0	2.0	---	P4	E	360	{5Y3	5.0	JS-0400-0	0.0	75	P3	G	Plate No. 2
{5HB7	5.0	EV-2671-0	1.4	---	P4	D	Pent. Sect.	6AB4	6.3	ET-6107-0	1.6	---	P4	D	2500
{5HB7	5.0	EV-9801-0	1.0	---	P4	B	6000	{6AB9†	6.3	FW-978W-0	1.5	---	P4	C	4400
{5HC7†	5.0	B3-9W04-0	0.6	---	P4	C	Triode No. 1	{6AB9	6.3	FW-3124-0	1.5	---	P4	C	4400
{5HC7	5.0	B3-X203-0	2.4	---	P4	E	400	6AC7	6.3	HS-4865-3	1.0	---	P4	C	5650
{5HG8	5.0	EV-2893-0	0.6	---	P4	C	Pent. Sect.	{6AC9†	6.3	B3-9XW8-7	1.0	---	P4	C	4400
{5HG8	5.0	EV-6703-0	5.4	---	P4	D	3000	{6AC9	6.3	B3-0304-0	0.0	18	P1	G	Diode No. 1
{5HZ6	5.0	ET-1562-7	1.1	---	P4	D	1250	{6AC9	6.3	B3-0203-0	0.0	18	P1	G	Diode No. 2
{5J6	5.0	ET-5207-0	1.8	---	P4	C	3340	{6AC10†	6.3	B3-9W04-0	1.0	---	P4	C	3450
{5J6	5.0	ET-6107-0	1.8	---	P4	C	3340	{6AC10	6.3	B3-7506-0	1.0	---	P4	C	3450
{5J6	5.0	ET-1562-7	0.4	---	P4	B	6600	{6AC10	6.3	B3-X203-0	1.0	---	P4	C	3450
{5JL6	5.0	ET-1562-7	12.0	---	P4	C	4350	{6AD7	6.3	HS-5348-6	5.3	---	P4	E	1260
{5JW8	5.0	EV-2637-0	1.6	---	P4	D	2400	{6AD7	6.3	HS-1608-3	0.0	---	P4	E	380
{5JW8	5.0	EV-9108-0	1.1	---	P4	D	2200	{6AD10†	6.3	B3-3762-5	1.8	---	P4	D	1200
{5KD8	5.0	EV-2637-0	0.4	---	P4	D	2900	{6AD10	6.3	B3-8XW9-0	0.6	---	P4	C	3900
{5KD8	5.0	EV-9108-0	1.5	---	P4	C	4700	6AF3	6.3	EV-0002-0	0.0	89	P3	G	Cap-P. Reverse Meter
{5KE8	5.0	EV-2637-0	0.6	---	P4	C	5100	6AF4	6.3	ET-2105-0	1.4	---	P4	C	4200
{5KE8	5.0	EV-9108-0	1.4	---	P4	C	4600	{6AF9†	6.3	FW-8W97-0	2.2	---	P4	C	6300
{5KZ8	5.0	EV-2673-0	1.4	---	P4	D	2850	{6AF9	6.3	FW-1432-0	1.0	---	P4	C	5300
{5KZ8	5.0	EV-9108-0	1.8	---	P4	C	3800	{6AF11†	6.3	B3-X2W9-0	1.6	---	P4	C	4500
{5LJ8	5.0	EV-9678-0	0.6	---	P4	C	5600	{6AF11	6.3	B3-6805-0	1.1	---	P4	C	2800
{5LJ8	5.0	EV-1203-0	1.8	---	P4	C	4700	{6AF11	6.3	B3-3407-0	0.7	---	P4	C	1700
{5MB8	5.0	EV-9678-0	0.6	---	P4	C	5600	{6AG5	6.3	ET-1562-0	1.7	---	P4	D	2500
{5MB8	5.0	EV-1203-0	0.8	---	P4	C	5400	6AG7	6.3	HS-4865-1	1.7	---	P4	C	5000
{5MQ8	5.0	EV-2637-0	1.0	---	P4	C	4700	{6AG9†	6.3	B3-X2W9-4	2.0	---	P4	C	6300
{5MQ8	5.0	EV-9108-0	1.0	---	P4	C	4900	{6AG9	6.3	B3-5706-0	2.0	---	P4	D	2900
{5R4	5.0	JS-0600-0	0.0	83	P3	G	Plate No. 1	{6AG11†	6.3	B3-8709-0	1.0	---	P4	C	4900
{5R4	5.0	JS-0400-0	0.0	80	P3	G	Plate No. 2	{6AG11	6.3	B3-5604-0	1.0	---	P4	C	4900
{5T8	5.0	EV-8907-6	1.3	---	P1	E	750	{6AG11	6.3	B3-0W0X-0	0.0	0	P1	G	Diode No. 1
{5T8	5.0	EV-0607-1	0.0	0	P1	G	Triode No. 1	{6AG11	6.3	B3-0302-0	0.0	0	P1	G	Diode No. 2
{5T8	5.0	EV-0203-7	0.0	0	P1	G	Diode No. 2	{6AH9†	6.3	B3-5X87-9	1.2	---	P4	C	7500
{5T8	5.0	EV-0107-8	0.0	0	P1	G	Diode No. 3	{6AH9	6.3	B3-2304-0	4.3	---	P4	E	1550
{5U4	5.0	JS-0600-0	0.0	87	P3	G	Plate No. 1	6AK5	6.3	ET-1562-0	1.8	---	P4	C	3150
{5U4	5.0	JS-0400-0	0.0	84	P3	G	Plate No. 2	6AK6	6.3	ET-1567-2	3.0	---	P4	E	1320
{5U8	5.0	EV-2637-0	0.8	---	P4	D	Pent. Sect.	6AK9†	6.3	B3-8597-0	7.5	---	P4	C	4400
{5U8	5.0	EV-9108-0	1.0	---	P4	C	5350	6AK9	6.3	B3-WX07-0	1.8	---	P4	E	1650
{5U9†	6.3	FW-3782-4	1.5	---	P4	C	4400	{6AK9	6.3	B3-3207-0	3.2	---	P4	E	1300
{5U9	6.3	FW-W901-0	4.5	---	P4	C	3150								

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS		
{6AK10†	6.3	B3-9W04-0	2.0	---	P4	D	2900	Triode No. 1	{6AY11†	6.3	B3-8709-0	1.3	---	P4	D	1100	Triode No. 1
{6AK10	6.3	B3-7506-0	2.0	---	P4	D	2900	Triode No. 2	{6AY11	6.3	B3-5604-0	1.3	---	P4	D	1100	Triode No. 2
{6AK10	6.3	B3-X203-0	2.0	---	P4	D	2900	Triode No. 3	{6AY11	6.3	B3-0W0X-0	0.0	0	P1	G	★	Diode No. 1
{6AL3	6.3	EV-0009-0	0.0	89	P3	G	★	Reverse Meter. CAP=P	{6AY11	6.3	B3-0302-0	0.0	0	P1	G	★	Diode No. 2
{6AL5	6.3	ET-0701-6	0.0	0	P1	G	★	Diode No. 1	{6AZ8	6.3	EV-6123-0	1.0	---	P4	C	3800	Pent. Sect. Diode No. 1
{6AL5	6.3	ET-0205-6	0.0	0	P1	G	★	Diode No. 2	{6AZ8	6.3	EV-9807-0	4.4	---	P4	D	2100	Triode Sect.
{6AL9†	6.3	B3-X2W9-4	0.5	---	P4	B	8200	Pent. Sect.	{6B10†	6.3	B3-5607-0	3.0	---	P4	D	1600	Triode No. 1
{6AL9	6.3	B3-5706-0	1.4	---	P4	C	4000	Triode Sect.	{6B10	6.3	B3-3402-0	3.0	---	P4	D	1600	Triode No. 2
{6AL11†	6.3	B3-8XW9-0	2.4	---	P4	C	4400	Pent. No. 1	{6B10	6.3	B3-0W09-0	0.0	0	P1	G	★	Diode No. 1
{6AL11	6.3	B3-3672-4	3.4	---	P4	C	360	Pent. No. 2	{6B10	6.3	B3-0809-0	0.0	0	P1	G	★	Diode No. 2
{6AM8	6.3	EV-2631-9	0.4	---	P4	C	3650	Pent. Sect.	{6BA3	6.3	EV-0209-0	0.0	86	P3	G	★	Use Adapter SA-4, 1050-144. Note 7
{6AM8	6.3	EV-0807-0	0.0	0	P1	G	★	Diode Sect.	{Model 539C: No Adapter Required.								
{6AN4	6.3	ET-2105-0	0.7	---	P4	C	5650		{6BA5	6.3	DW-1578-0	3.0	---	P4	D	1350	
{6AN5	6.3	ET-1567-0	0.5	---	---	C	5000	Hold Down P1 and Press P4	{6BA6	6.3	ET-1567-2	1.0	---	P4	D	2070	
{6AN8	6.3	EV-8679-1	0.8	---	P4	C	3900	Pent. Sect.	{6BA7	6.3	EV-7913-2	0.0	---	---	D	1070	Ampl. Sect. Hold down P1 and Press P4
{6AN8	6.3	EV-2173-6	4.6	---	P4	D	2100	Triode Sect.	{6BA7	6.3	EV-2103-7	0.0	---	P4	C	5000	Osc. Sect.
{6AQ5	6.3	ET-1562-0	2.1	---	P4	D	2600		{6BA8	6.3	EV-7986-0	1.5	---	P4	C	4400	Pent. Sect.
{6AR11†	6.3	B3-W89X-7	0.6	---	P4	C	5600	Pent. No. 1	{6BA8	6.3	EV-2301-0	5.6	---	P4	D	1700	Triode Sect.
{6AR11	6.3	B3-5236-4	0.6	---	P4	C	5600	Pent. No. 2	{6BA11†	6.3	B3-4638-7	1.0	---	P4	D	500	Pent. No. 1
{6AS6	6.3	ET-1562-7	1.8	---	P4	D	1400		{6BA11	6.3	B3-4238-5	1.0	---	P4	D	500	Pent. No. 2
{6AS7	6.3	HY-0506-4	0.0	83	P3	G	★	Triode No. 1	{6BA11	6.3	B3-9X0W-0	4.8	---	P4	D	1250	Triode Sect.
{6AS7	6.3	HY-0203-1	0.0	83	P3	G	★	Emission Test. Make No Gas Test	{6BC4	6.3	EV-2106-0	1.8	---	P4	C	6300	
{6AS8	6.3	EV-2913-7	1.0	---	P4	C	3900	Triode No. 2	{6BC5	6.3	ET-1562-0	0.6	---	P4	C	3100	
{6AS8	6.3	EV-0608-7	0.0	0	P1	G	★	Diode Sect.	{6BC7	6.3	EV-0809-0	0.0	0	P1	G	★	Diode No. 1
{6AS11†	6.3	B3-X2W9-0	1.8	---	P4	C	4700	Pent. Sect.	{6BC7	6.3	EV-0607-0	0.0	0	P1	G	★	Diode No. 2
{6AS11	6.3	B3-6805-0	0.6	---	P4	D	2700	Triode No. 1	{6BC7	6.3	EV-0201-0	0.0	0	P1	G	★	Diode No. 3
{6AS11	6.3	B3-3407-0	1.4	---	P4	D	2700	Triode No. 2	{6BC8	6.3	EV-7608-9	2.4	---	P4	C	3900	Triode No. 1
{6AT6	6.3	ET-1702-0	1.5	---	P4	E	820	Triode Sect.	{6BC8	6.3	EV-2103-9	2.4	---	P4	C	3900	Triode No. 2
{6AT6	6.3	ET-1602-0	0.0	---	P1	D	★	Diode No. 1	{6BD11†	6.3	B3-X2W9-0	1.8	---	P4	C	4000	Pent. Sect.
{6AT6	6.3	ET-1502-0	0.0	---	P1	D	★	Diode No. 2	{6BD11	6.3	B3-6805-0	1.0	---	P4	C	3500	Triode No. 1
{6AT8	6.3	EV-9673-8	1.2	---	P4	C	2900	Pent. Sect.	{6BD11	6.3	B3-3407-0	0.8	---	P4	D	3000	Triode No. 2
{6AT8	6.3	EV-1203-8	2.0	---	P4	C	3650	Triode Sect.	{6BE3†	6.3	B3-0W07-0	0.0	91	P3	G	★	
{6AU4	6.3	HY-0503-0	0.0	91	P3	G	★		{6BE6	6.3	ET-7562-1	0.0	---	---	D	940	Ampl. Sect. Hold down P1 and Press P4
{6AU5	6.3	HS-1583-0	4.0	---	---	C	3500		{6BE6	6.3	ET-1602-7	2.0	---	P4	C	4500	Osc. Sect.
{6AU6	6.3	ET-1567-2	1.0	---	P4	C	2500		{6BE7	6.3	EV-7163-9	6.0	---	P4	E	630	
{6AU8	6.3	EV-7986-0	1.0	---	P4	C	4400	Pent. Sect.	{6BE8	6.3	EV-9678-3	0.8	---	P4	D	2400	Pent. Sect.
{6AU8	6.3	EV-2301-0	1.5	---	P4	C	3100	Triode Sect.	{6BE8	6.3	EV-1203-0	1.0	---	P4	C	5350	Triode Sect.
{6AV6	6.3	ET-1702-5	1.3	---	P4	E	800	Triode Sect.	{6BF11†	6.3	B3-8XW9-0	6.0	---	P4	C	4700	Pent. No. 1
{6AV6	6.3	ET-1602-5	0.0	---	P1	D	★	Diode No. 1	{6BF11	6.3	B3-3762-5	1.8	---	P4	E	400	Pent. No. 2
{6AV6	6.3	ET-1502-7	0.0	---	P1	D	★	Diode No. 2	{6BH3†	6.3	EV-0209-0	0.0	87	P3	G	★	Use Adapter SA-4, 1050-144. Note 7
{6AV11†	6.3	B3-9W04-0	3.0	---	P4	D	1600	Triode No. 1	{Model 539C: No Adapter Required.								
{6AV11	6.3	B3-7506-0	3.0	---	P4	E	1600	Triode No. 2	{6BH6	6.3	ET-1562-7	0.8	---	P4	C	2150	Pent. Sect. Hold down P1 and Press P4
{6AV11	6.3	B3-X203-0	3.0	---	P4	E	1600	Triode No. 3	{6BH8	6.3	EV-7986-0	0.5	---	---	C	3150	Triode Sect.
{6AW8	6.3	EV-7986-3	2.0	---	P4	C	4700	Pent. Sect.	{6BH8	6.3	EV-2301-0	4.8	---	P4	D	2100	Triode Sect.
{6AX3†	6.3	B3-0407-0	0.0	89	P3	C	★	Triode Sect.	{6BH11†	6.3	B3-8W9X-0	0.6	---	P4	C	3800	Pent. Sect.
{6AX4	6.3	HY-0503-0	0.0	89	P3	C	★		{6BH11	6.3	B3-6705-0	1.0	---	P4	C	5700	Triode No. 1
{6AX5	6.3	HS-0508-3	0.0	87	P3	C	★		{6BH11	6.3	B3-4302-0	1.0	---	P4	C	5700	Triode No. 2
{6AX5	6.3	HS-0308-5	0.0	87	P3	C	★		{6BJ3†	6.3	B3-0W07-0	0.0	90	P3	G	★	
{6AY3†	6.3	EV-0209-0	0.0	87	P3	C	★		{6BJ7	6.3	EV-0809-3	0.0	0	P1	G	★	Diode No. 1
{Model 539C: No Adapter Required.									{6BJ7	6.3	EV-0607-3	0.0	0	P1	G	★	Diode No. 2
									{6BJ7	6.3	EV-0201-3	0.0	0	P1	G	★	Diode No. 3

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	
{6BJ8	6.3	EV-8709-0	4.5	---	P4	D	1750	Triode Sect.	6BZ6	6.3	ET-1562-7	1.2	---	C	3850	
{6BJ8	6.3	EV-0603-0	0.0	0	P1	G	★	Diode No. 1	{6BZ7	6.3	EV-7608-9	2.2	P4	C	4300	
{6BJ8	6.3	EV-0102-0	0.0	0	P1	G	★	Diode No. 2	{6BZ7	6.3	EV-2103-9	2.2	P4	C	4300	
6BK4	6.3	HS-0501-0	0.0	---	P1	E	★	Cap = G	6C4	6.3	ET-6107-0	4.8	P4	E	1380	
{6BK7	6.3	EV-7608-9	1.2	---	P4	C	5350	Triode No. 1	{6C9†	6.3	EV-7986-0	2.6	P4	D	2900	
{6BK7	6.3	EV-2103-9	1.2	---	P4	C	5350	Triode No. 2	{6C9	6.3	EV-132W-0	2.6	P4	D	2900	
{6BK11†	6.3	B3-9W04-0	2.6	---	P4	E	450	Triode No. 1	{6C10†	6.3	B3-9W04-0	1.3	P4	D	875	
{6BK11	6.3	B3-7506-0	2.2	---	P4	E	350	Triode No. 2	{6C10	6.3	B3-7506-0	1.3	P4	D	875	
{6BK11	6.3	B3-X203-0	2.2	---	P4	E	350	Triode No. 3	{6C10	6.3	B3-X203-0	1.3	P4	D	875	
{6BL7	6.3	HY-4506-0	3.5	---	P4	C	4400	Triode No. 1	{6CA4	6.3	EV-0703-0	0.0	87	P3	G	★
{6BL7	6.3	HY-1203-0	3.5	---	P4	C	4400	Triode No. 2	{6CA4	6.3	EV-0103-0	0.0	87	P3	G	★
{6BL8	6.3	EV-2637-1	1.2	---	P4	C	3000	Pent. Sect.	6CA5	6.3	DU-2761-0	0.0	---	C	5300	
{6BL8	6.3	EV-9108-6	4.8	---	P4	C	3000	Triode Sect.	6CA7	6.3	HS-5348-1	5.5	P4	C	3800	
{6BM8	6.3	EV-3672-0	7.4	---	P4	D	2700	Pent. Sect.	{6CA11†	6.3	B3-8XW9-7	2.5	P4	C	5800	
{6BM8	6.3	EV-1908-0	0.6	---	P4	E	1350	Triode Sect.	{6CA11	6.3	B3-6405-0	2.0	P4	D	2000	
6BN4	6.3	ET-2501-0	1.9	---	P4	C	4300	Triode Sect.	{6CA11	6.3	B3-3207-0	2.0	P4	D	2500	
6BN4A	6.3	ET-2501-0	2.4	---	P4	C	5000		6CB5	6.3	HS-4013-0	12.0	P4	C	4100	
{6BN6	6.3	ET-2751-6	0.0	---	P4	E	250	Upper Grid	6CB6	6.3	ET-1562-7	1.0	P4	C	3900	
{6BN6	6.3	ET-6751-2	0.4	---	P4	D	570	Plate Vents - Low	6CD3†	6.3	B3-0W07-0	0.0	90	P3	G	★
{6BN8	6.3	EV-8709-0	1.8	---	P4	D	1600	Quadrature Grid	6CD6	6.3	HS-5083-0	18.0	P4	C	4100	
{6BN8	6.3	EV-0603-0	0.0	0	P1	G	★	Plate Vents - Low	6CE3†	6.3	B3-0407-0	0.0	91	P3	G	★
{6BN8	6.3	EV-0102-0	0.0	0	P1	G	★	Triode Sect.	6CE5	6.3	ET-1562-0	1.0	P4	C	3900	
{6BN11†	6.3	B3-7X98-W	1.0	---	P4	C	4100	Diode No. 1	6CG3†	6.3	B3-0407-0	0.0	90	P3	G	★
{6BN11	6.3	B3-3542-6	1.0	---	P4	C	4100	Diode No. 2	{6CG7	6.3	EV-7608-9	3.7	P4	D	1640	
6BQ5	6.3	EV-2793-0	1.0	---	P4	C	5650	Pent. No. 1	{6CG7	6.3	EV-2103-9	3.7	P4	D	1640	
Tubes indicating gas: Re-test using EV-1793-0																
6BQ6	6.3	HS-5048-0	12.0	---	P4	C	3500	Cap = P	{6CH3†	6.3	EV-1203-0	2.0	P4	C	2900	
{6BQ7A	6.3	EV-7608-9	2.0	---	P4	C	4000	Triode No. 1	{Model	539C: No Adapter Required.	0.0	90	P3	G	★	
{6BQ7A	6.3	EV-2103-9	2.0	---	P4	C	4000	Triode No. 2	{Model	539C: No Adapter Required.	0.0	91	P3	G	★	
{6BR8	6.3	EV-9678-0	0.8	---	P4	D	2400	Pent. Sect.	{Model	539C: No Adapter Required.	0.0	91	P3	G	★	
{6BR8	6.3	EV-1203-0	1.0	---	P4	C	5350	Triode Sect.	{Model	539C: No Adapter Required.	0.0	91	P3	G	★	
{6BS3†	6.3	EV-0209-0	0.0	85	P3	G	★	Use Adapter SA-4, 1050-144. Note 7	{Model	539C: No Adapter Required.	0.0	91	P3	G	★	
{Model	539C: No Adapter Required.								{Model	539C: No Adapter Required.	0.0	91	P3	G	★	
{6BU8	6.3	EV-7821-9	0.0	---	---	D	630	Pent. No. 1. Held down P1 and press P4.	6CL5	6.3	HS-4013-0	20.0	P4	C	3250	
{6BU8	6.3	EV-7321-6	0.0	---	---	D	630	Pent. No. 2. Held down P1 and press P4.	6CL6	6.3	EV-2631-7	1.7	P4	C	5000	
{6BV11†	6.3	B3-7W98-X	2.0	---	P4	D	1600	Pent. No. 1	{6CL8	6.3	EV-9678-0	1.0	P4	D	2500	
{6BV11	6.3	B3-6345-2	2.0	---	P4	D	1600	Pent. No. 2	{6CL8	6.3	EV-1203-0	0.7	P4	C	5000	
6BW3†	6.3	B3-0407-0	0.0	87	P3	G	★		{6CM3†	6.3	EV-0279-0	0.0	91	P3	G	★
{6BW8	6.3	EV-6987-0	0.8	---	P4	D	2400	Pent. Sect.	{Model	539C: No Adapter Required.	0.0	91	P3	G	★	
{6BW8	6.3	EV-0302-0	0.0	0	P1	G	★	Diode No. 1	6CM6	6.3	EV-3917-0	3.3	P4	D	2600	
{6BW8	6.3	EV-0102-0	0.0	0	P1	G	★	Diode No. 2	{6CM7	6.3	EV-7603-0	4.7	P4	D	1260	
{6BW11†	6.3	B3-X89W-7	1.0	---	P4	C	4900	Pentode No. 1	{6CM7	6.3	EV-8109-0	4.0	P4	C	2800	
{6BW11	6.3	B3-3542-6	0.6	---	P4	C	6950	Pentode No. 2	{6CN7	6.3	EV-7806-0	1.3	P4	E	750	
6BY6	6.3	ET-1562-7	1.0	---	P4	D	1200	Grid No. 1	{6CN7	6.3	EV-0203-0	0.0	0	P1	G	★
6BY6	6.3	ET-7562-1	1.4	---	---	E	500	Grid No. 3 Held down P1 and Press P4	{6CN7	6.3	EV-0103-0	0.0	0	P1	G	★
{6BY8	6.3	EV-1789-2	1.0	---	P4	C	2500	Pent. Sect.	6CQ4	6.3	HY-0503-0	0.0	87	P3	G	★
{6BY8	6.3	EV-0603-0	0.0	0	P1	G	★	Diode Sect.	{6CQ8	6.3	EV-2637-0	0.6	P4	D	2800	
{6BY11†	6.3	B3-8XW9-0	13.0	---	P4	D	3000	Pent. No. 1	{6CQ8	6.3	EV-9108-0	1.1	P4	D	4400	
{6BY11	6.3	B3-3762-5	2.2	---	P4	E	700	Pent. No. 2								
6BZ3†	6.3	B3-0W07-0	0.0	17	P1	G	★									

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	
{6CS6	6.3	ET-1562-7	0.0	---	P4	D	Grid No. 1 Plate Volts=Low	{6DS4†	6.3	DR-4208-0	0.4	---	P4	C	4700	Plate Volts=Low SA-3, 1050-127. Note 7
{6CS6	6.3	ET-7562-1	0.0	---	P4	D	Grid No. 3 Plate Volts=Low	{Model 539C:	6.3	13-4208-0	0.4	---	P4	C	4700	Plate Volts=Low
{6CS7	6.3	EV-7608-0	3.7	---	P4	D	Triode No. 1	6DS4	6.3	ET-1562-0	2.0	---	P4	C	3800	
{6CS7	6.3	EV-3109-0	5.3	---	P4	C	Triode No. 2	6DS5	6.3	B3-0407-0	0.0	91	P3	G	★	
6CT3	6.3	EV-0209-0	0.0	90	P3	G		6DT3†	6.3	HY-0503-0	0.0	83	P3	G	★	
6CU5	6.3	ET-2761-0	1.0	---	---	C	Hold down P1 and Press P4	6DT4	6.3	EV-3917-0	4.4	---	P4	C	3450	
{6CU8	6.3	ET-7236-1	0.8	---	P4	C	Pent. Sect.	6DT5	6.3	ET-1562-7	3.4	---	P4	E	380	Grid No. 1
{6CU8	6.3	EV-8901-0	4.6	---	P4	D	Triode Sect.	{6DT6	6.3	ET-7562-1	1.8	---	---	E	315	Grid No. 1, Hold down P1 and Press P4
{6CW4†	6.3	DR-4208-0	0.5	---	P4	C	Plate Volts=Low SA-3, 1050-127. Note 7	{6DT8	6.3	EV-7608-9	1.6	---	P4	D	2500	Triode No. 1
{Model 539C:	6.3	13-4208-0	0.5	---	P4	C	Plate Volts=Low	{6DT8	6.3	EV-2103-9	1.6	---	P4	D	2500	Triode No. 2
{6CW4	6.3	EV-2793-0	4.0	---	P4	C		6DU3†	6.3	B3-0407-0	0.0	90	P3	G	★	
6CW5	6.3	EV-7986-0	2.0	---	P4	C	Pent. Sect.	6DV4†	6.3	13-6207-0	0.8	---	P4	C	7000	Plate Volts=Low Use Adapter SA-4, 1050-144. Note 7
{6CX8	6.3	EV-2301-0	1.2	---	P4	C	Triode Sect.	{6DW4†	6.3	EV-0209-0	0.0	82	P3	G	★	
{6CX8	6.3	ET-1562-0	1.0	---	P4	C	Triode No. 1	{Model 539C:	6.3	EV-3697-0	0.6	---	P4	C	6900	Pent. Sect.
6CY7	6.3	EV-7608-0	1.5	---	P4	C	Triode No. 2	{6DX8	6.3	EV-1203-0	1.0	---	P4	C	5000	Plate Volts=Low
{6CY7	6.3	EV-2109-0	20.0	---	P4	C	Triode No. 2	6DZ4	6.3	ET-2105-0	0.8	---	P4	C	3400	Pent. Sect.
6CZ5	6.3	EV-3917-0	1.0	---	P4	D		{6DZ8	6.3	EV-3672-0	6.8	---	P4	C	450	Triode Sect.
{6D10†	6.3	B3-9W04-0	1.4	---	P4	D	Triode No. 1	{6DZ8	6.3	EV-1908-0	2.6	---	P1	E	★	Cap=G
6D10	6.3	B3-7506-0	1.4	---	P4	D	Triode No. 2	6EA4†	6.3	B3-0605-0	0.0	---	P4	C	3500	Triode No. 1
6D10	6.3	B3-X203-0	1.4	---	P4	D	Triode No. 3	6EA5	6.3	ET-1562-0	1.2	---	P4	E	1100	Triode No. 2
6DA4	6.3	HY-0503-0	0.0	86	P3	G		{6EA7	6.3	JX-4506-0	0.5	---	P4	C	4100	Pent. Sect.
{6DA5	6.3	EV-1902-0	Vary 100	100	P4	G	Connect a 1 megohm resistor from Plate jack to octal test socket pin No. 7.	{6EA7	6.3	JX-1203-0	21.0	---	P4	D	3100	Triode Sect.
{Vary Bias to Vary beam angle.	6.3	EV-3912-0	1.5	---	---	C		{6EA8	6.3	EV-2637-0	0.8	---	P4	C	5250	Triode Sect.
6DB5	6.3	ET-1562-7	1.2	---	P4	D	Hold down P1 and Press P4	{6EA8	6.3	EV-9108-0	1.4	---	P4	C	45	Diode No. 1
6DE4	6.3	HY-0503-0	0.0	87	P3	G		{6EB5	6.3	ET-0205-6	0.0	45	P3	G	★	Diode No. 2
6DE6	6.3	ET-1562-7	1.0	---	P4	C		{6EB5	6.3	ET-0701-6	0.0	45	P3	G	★	Pent. Sect.
{6DE7	6.3	EV-7608-0	5.0	---	P4	E	Triode No. 1	{6EB8	6.3	EV-7986-0	0.8	---	P4	C	5000	Triode Sect.
{6DE7	6.3	EV-2109-0	19.0	---	P4	C	Triode No. 2	{6EB8	6.3	EV-2301-0	0.6	---	P4	E	1400	Triode Sect.
6DG6	6.3	HS-5348-0	1.0	---	---	C	Hold Down P1 and Press P4	{6EF4†	6.3	B3-0605-9	0.0	---	P1	E	★	Cap=G
{6DJ8	6.3	EV-7608-0	3.0	---	P4	C	Triode No. 1	6EH4†	6.3	B3-0605-0	0.0	---	P1	E	★	Cap=G
{6DJ8	6.3	EV-2103-0	3.0	---	P4	C	Triode No. 2	6EH5	6.3	ET-2761-0	1.2	---	P4	C	6300	
6DK3	6.3	EV-0002-0	0.0	90	P3	G	Cap-P, Reverse Meter	6EH7	6.3	EV-2781-9	2.8	---	P4	C	3200	Pent. Sect.
6DK6	6.3	ET-1562-7	1.0	---	P4	C		{6EH8	6.3	EV-7986-0	1.0	---	P4	D	2700	Triode Sect.
{6DL3†	6.3	EV-0002-0	0.0	90	P3	G	Cap-P, Reverse Meter	{6EH8	6.3	EV-2301-0	1.6	---	P4	C	4700	Cap=G
{Model 539C:	6.3	EV-0503-0	0.0	87	P3	G	Cap-P, Reverse Meter	6EJ4†	6.3	B3-0605-0	0.0	---	P1	E	★	Cap=G
6DM4	6.3	HY-0503-0	0.0	87	P3	G	Cap-P, Reverse Meter	6EJ7	6.3	EV-2781-9	1.2	---	P4	C	4900	Cap=G
{6DN3†	6.3	EV-0209-0	0.0	91	P3	G	Cap-P, Reverse Meter	6EL4	6.3	HS-0501-0	0.0	---	P1	E	★	Cap=G
{Model 539C:	6.3	EV-0209-0	0.0	91	P3	G	Cap-P, Reverse Meter	6EM5	6.3	EV-3917-0	3.7	---	P4	D	3200	Triode No. 1
{6DN7	6.3	HY-4506-0	3.6	---	P4	E	Use Adapter SA-4, 1050-144. Note 7	6EM7	6.3	HY-4506-0	1.6	---	P4	D	1000	Triode No. 2
{6DN7	6.3	HY-1203-0	3.0	---	P4	C	Triode No. 1	{6EM7	6.3	HY-1203-0	17.0	---	P4	C	6000	Cap=G
6DQ3†	6.3	B3-0407-0	0.0	90	P3	G	Triode No. 2	6EN4	6.3	HS-0501-0	0.0	---	P1	E	★	Cap=G
6DQ4	6.3	JX-1043-0	0.0	80	P3	G		{6EQ7	6.3	EV-2763-1	2.6	---	P4	E	850	Pent. Sect.
6DQ5	6.3	HS-1043-0	26.0	---	P4	D	Cap=P	{6EQ7	6.3	EV-0803-0	0.0	---	P1	E	★	Diode Sect.
6DQ6	6.3	HS-5048-0	0.0	---	P4	C	Cap=P	6ER5	6.3	ET-2567-0	0.8	---	P4	C	6600	
6DR4	6.3	ET-6507-0	1.3	---	P4	D	Plate Volts=Low	6ES5	6.3	ET-2501-0	1.0	---	P4	C	4500	
{6DR7	6.3	EV-7608-0	1.3	---	P4	D	Triode No. 1	{6ES8	6.3	EV-7608-0	2.4	---	P4	C	7500	Triode No. 1
{6DR7	6.3	EV-2109-0	18.0	---	P4	C	Triode No. 2	{6ES8	6.3	EV-2103-0	2.4	---	P4	C	7500	Triode No. 2

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{6GY8	6.3	EV-0607-0	0.0	---	P1	E	Triode No. 1	{6J4	6.3	ET-1702-0	2.0	---	P4	B	7000
{6GY8	6.3	FU-3908-0	1.5	---	P4	D	Triode No. 2	{6J6	6.3	ET-5207-0	1.8	---	P4	C	3340
{6GY8	6.3	FU-1200-0	3.4	---	P4	B	Triode No. 3	{6J6	6.3	ET-6107-0	1.8	---	P4	C	3340
6GZ5	6.3	ET-2761-0	2.7	---	P4	D		{6J9†	6.3	EV-780W-0	1.2	---	P4	D	3200
6HA5	6.3	ET-1507-6	1.2	---	P4	C		{6J9	6.3	EV-960W-0	1.2	---	P4	D	3200
6HA6	6.3	EV-2761-3	0.8	---	P4	B		{6J9	6.3	EV-2103-0	1.2	---	P4	D	3200
6HB5†	6.3	B3-X72W-0	3.2	---	P4	C		{6J10†	6.3	B3-7468-5	0.0	---	P4	E	250
6HB6	6.3	EV-2781-9	1.0	---	P4	B	Pent. Sect.	{6J10	6.3	B3-X923-0	2.6	---	P4	C	4300
{6HB7	6.3	EV-2671-0	1.4	---	P4	D	Triode Sect.	{6J11†	6.3	B3-X978-W	0.3	---	P4	C	6000
{6HB7	6.3	EV-9801-0	1.0	---	P4	B	Cap-P, Use Adapter SA-8, 1050-168	{6J11	6.3	B3-5326-4	0.3	---	P4	C	6000
6H-B25	6.3	EV-2079-8	12.0	---	P4	C	Pent. Sect.	6JA5†	6.3	B3-9634-0	1.5	---	P4	C	3900
{6HC8	6.3	EV-3672-0	2.6	---	P4	D	Triode Sect.	6JB5†	6.3	B3-96WX-0	15.0	---	P4	E	1050
{6HC8	6.3	EV-1908-0	0.6	---	P4	E	Pent. Sect.	{6JB6†	6.3	EV-2013-8	5.3	---	---	C	4400
6HD5†	6.3	B3-X79W-0	15.0	---	P4	C	Triode Sect.	{Model 539C: No Adapter Required.							
{6HD7	6.3	EV-2671-0	1.0	---	P4	C	Pent. Sect.	{6JB8	6.3	EV-2637-0	4.4	---	P4	E	650
{6HD7	6.3	EV-9803-0	1.7	---	P4	C	Triode Sect.	{6JB8	6.3	EV-9108-0	3.2	---	P4	D	1450
6HE5†	6.3	B3-96WX-0	4.8	---	P4	D		6JC5†	6.3	B3-96WX-0	4.8	---	P4	D	3200
6HE7†	6.3	B3-95X8-0	15.0	---	P4	C	Pent. Sect.	6JC6	6.3	EV-2781-9	0.8	---	P4	C	6500
{6HE7	6.3	B3-0204-0	0.0	89	P3	G	Diode Sect.	{6JC8	6.3	EV-2637-0	1.0	---	P4	D	2600
6HF5†	6.3	B3-90XW-0	21.0	---	P4	C	Cap=P	{6JD5†	6.3	B3-2704-3	0.0	---	P4	B	9400
{6HF8	6.3	EV-7986-0	1.8	---	P4	C	Pent. Sect.	6JD6	6.3	EV-2781-9	1.0	---	P4	C	6000
{6HF8	6.3	EV-2301-0	1.2	---	P4	D	Triode Sect.	{6JE6†	6.3	EV-2073-8	7.0	---	P4	C	5800
6HG5	6.3	ET-1562-0	2.1	---	P4	D	Pent. Sect.	{Model 539C: No Adapter Required.							
6HG8	6.3	EV-2893-0	0.6	---	P4	D	Triode Sect.	6JE8	6.3	EV-7986-0	1.2	---	P4	C	5300
{6HG8	6.3	EV-6703-0	5.4	---	P4	C		{6JE8	6.3	EV-2301-0	2.4	---	P4	E	1550
6HU5†	6.3	B3-X792-W	16.0	---	P4	C	Pent. Sect.	{6JF6†	6.3	EV-2073-8	6.0	---	---	C	5900
{6HU7	6.3	EV-2671-0	1.0	---	P4	C	Triode Sect.	{Model 539C: No Adapter Required.							
{6HU7	6.3	EV-9803-0	1.7	---	P4	C	Pent. Sect.	{6JF8	6.3	HR-5046-0	0.0	---	P4	C	7250
{6HU8	6.3	EV-2631-9	1.0	---	P4	C	Triode Sect.	{6JF8	6.3	HR-0802-0	0.0	85	P3	G	★
6HK5	6.3	EV-0807-0	0.0	0	P1	G	Diode Sect.	6JG5	6.3	EV-7986-0	2.0	---	P4	C	5100
6HL5	6.3	ET-1502-0	1.0	---	P4	E		{6JG6†	6.3	EV-2973-6	6.0	---	---	C	5900
6HL8	6.3	EV-2793-0	3.0	---	P4	C	Pent. Sect.	{Model 539C: No Adapter Required.							
{6HL8	6.3	EV-2637-0	0.8	---	P4	C	Triode Sect.	6JH5†	6.3	B3-2704-3	0.0	---	P4	B	9400
6HM5	6.3	EV-9108-0	1.4	---	P4	C		6JH6	6.3	ET-1562-7	1.2	---	P4	C	3500
6HM6	6.3	EV-1507-6	1.2	---	P4	C		{6JH8	6.3	EV-6937-1	2.4	---	P4	E	800
6HQ5	6.3	ET-1507-6	1.4	---	P4	C		{6JH8	6.3	EV-6837-1	2.4	---	P4	E	800
6HR5	6.3	ET-1562-0	2.0	---	P4	D		6JK5†	6.3	B3-2704-3	0.0	---	P4	B	9400
6HR6	6.3	ET-1567-2	1.4	---	P4	C		6JK6	6.3	ET-1562-7	0.4	---	P4	B	6600
6HS5†	6.3	B3-2704-3	0.0	---	P4	B		{6JK8	6.3	EV-7608-9	2.8	---	P4	E	1450
6HS6	6.3	ET-1567-2	1.8	---	P4	C		{6JK8	6.3	EV-2103-9	1.2	---	P4	C	7200
{6HS8	6.3	EV-7821-9	1.0	---	P4	D	Pent. No. 1	6JL6	6.3	ET-1562-7	12.0	---	P4	C	4350
{6HS8	6.3	EV-7321-6	1.0	---	P4	D	Pent. No. 2	{6JL8	6.3	EV-7986-0	2.4	---	P4	C	4800
6HT6	6.3	EV-2781-9	0.8	---	P4	C		6JL8	6.3	EV-2301-0	2.0	---	P4	D	2900
6HV5†	6.3	B3-7204-3	0.0	5	P1	G		6JM6†	6.3	B3-5032-W	12.0	---	P4	C	4100
{6HW8	6.3	EV-6237-9	1.0	---	P4	D	★	6JN6†	6.3	B3-X732-4	12.0	---	P4	C	4100
Make external connection from Pin 8 of octal socket to plate jack and connect Pin 1 to Pin 7 on octal socket.								{6JN8	6.3	EV-9678-0	1.0	---	P4	D	3200
6HZ5†	6.3	B3-2704-3	0.0	---	P4	B		{6JN8	6.3	EV-1203-0	1.8	---	P4	D	3800
6HZ6	6.3	ET-1562-7	1.1	---	P4	D		6JQ6	6.3	EV-7139-6	25.0	---	P4	D	2900
{6HZ8	6.3	EV-7986-0	1.8	---	P4	C	Pent. Sect.	{6JQ6	6.3	EV-0609-0	0.0	---	P1	G	★
{6HZ8	6.3	EV-2301-0	1.2	---	P4	D	Triode Sect.								

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	
{6JR6†	6.3	EV-2913-6	21.5	---	P4	D	2800	Use Adapter SA-4, 1050-144, Note 7	6.3	EV-7986-0	0.8	---	P4	C	4000	Pent. Sect.
{Model 539C:	No Adapter Required.								6.3	EV-2301-0	1.2	---	P4	D	1900	Triode Sect.
{6JS6A†	6.3	B3-5032-4	25.0	---	P4	C	3150	Cap=P	6.3	EV-7986-0	2.0	---	P4	B	6300	Pent. Sect.
{6JT6†	6.3	EV-2973-6	22.0	---	P4	C	4100	Use Adapter SA-4, 1050-144, Note 7	6.3	EV-0301-0	0.0	---	P1	D	★	Diode No. 1
{Model 539C:	No Adapter Required.								6.3	EV-0201-0	0.0	---	P1	D	★	Diode No. 2
{6JT8	6.3	EV-7986-0	1.6	---	P4	C	5700	Pent. Sect. Use "Min. and Sub-Min." Shorts Position	6.3	EV-2913-6	23.0	---	P4	D	2850	Use Adapter SA-4, 1050-144, Note 7
{6JT8	6.3	EV-2301-0	2.6	---	P4	E	950	Triode Sect.	Model 539C:	No Adapter Required.						
{6JU6†	6.3	EV-2013-8	21.5	---	P4	D	2800	Cap=P. Use Adapter SA-4, 1050-144, Note 7	6.3	EV-7986-0	1.5	---	P4	B	7800	Pent. Sect.
{Model 539C:	No Adapter Required.								6.3	EV-2301-0	1.0	---	P4	D	2400	Triode Sect.
{6JU8	6.3	EV-0809-0	0.0	0	P1	G	★	Diode No. 1	6.3	EV-9708-6	1.3	---	P4	E	800	Triode No. 1
{6JU8	6.3	EV-0708-0	0.0	0	P1	G	★	Diode No. 2	6.3	EV-1302-6	1.3	---	P4	E	800	Triode No. 2
{6JU8	6.3	EV-0203-0	0.0	0	P1	G	★	Diode No. 3	6.3	EV-2781-3	1.0	---	P4	B	10000	Pent. Sect. Use Adapter SA-4, 1050-144, Note 7
{6JU8	6.3	EV-0102-0	0.0	0	P1	G	★	Diode No. 4	6.3	EV-2673-0	10.0	---	P4	C	3450	Triode Sect.
{6JV6†	6.3	B3-X732-W	15.0	---	P4	C	4700	Pent. Sect.	6.3	EV-9801-0	1.4	---	P4	D	1150	Triode Sect.
{6JV8	6.3	EV-7986-0	1.2	---	P4	C	5200	Triode Sect.	Model 539C:	No Adapter Required.						
{6JV8	6.3	EV-2301-0	1.4	---	P4	D	2200	Pent. Sect.	6.3	EV-2673-0	1.4	---	P4	D	2850	Pent. Sect.
{6JY8	6.3	EV-7986-0	2.0	---	P4	C	4750	Pent. Sect.	6.3	EV-9108-0	1.8	---	P4	C	3800	Triode Sect.
{6JY8	6.3	EV-2301-0	1.2	---	P4	C	6500	Triode Sect.	6.3	HS-5348-1	3.0	---	P4	C	3300	Cap=P. Plate Volts=Low
{6JZ6†	6.3	B3-5032-4	16.0	---	P4	C	4400	Cap=P	6.3	B3-5032-4	8.0	---	P4	C	6300	Pent. Sect.
{6JZ8†	6.3	B3-7489-0	7.6	---	P4	C	4050	Pent. Sect.	6.3	EV-7986-0	2.2	---	P4	C	5350	Triode Sect.
{6JZ8	6.3	B3-W20X-0	5.0	---	P4	E	1150	Triode Sect.	6.3	EV-2301-0	1.6	---	P1	E	★	Cap=G
{6K6	6.3	HS-5348-0	9.0	---	P4	E	1000	Triode No. 1	6.3	HS-0506-1	0.0	---	P4	E	1260	Pent. Sect.
{6K11†	6.3	B3-9W04-8	3.2	---	P4	D	1950	Triode No. 2	6.3	EV-6987-3	1.2	---	P4	E	1260	Triode Sect.
{6K11	6.3	B3-7506-8	1.3	---	P4	E	800	Triode No. 3	6.3	EV-2103-0	2.4	---	P4	C	5500	Pent. No. 1
{6K11	6.3	B3-X203-8	1.3	---	P4	E	800	Pent. Sect.	6.3	EV-2781-3	1.6	---	P4	E	800	Pent. No. 2
{6KA8	6.3	EV-6983-7	1.2	---	P4	E	1260	Triode Sect.	6.3	EV-9683-7	2.0	---	P4	E	800	Pent. Sect.
{6KA8	6.3	EV-2103-0	2.4	---	P4	E	1260	Cap=P	6.3	EV-9183-2	2.0	---	P4	C	5350	Triode Sect.
{6KD6†	6.3	B3-5032-4	20.0	---	P4	C	7500	Pent. Sect.	6.3	EV-7986-0	0.6	---	P4	D	2450	Triode Sect.
{6KD8	6.3	EV-2637-0	0.4	---	P4	C	4700	Triode Sect.	6.3	EV-9108-0	1.0	---	P4	C	5650	Cap=P
{6KD8	6.3	EV-9108-0	1.5	---	P4	C	5100	Pent. Sect.	6.3	B3-50X4-0	20.0	---	P1	E	★	Cap=G
{6KE8	6.3	EV-2637-0	0.6	---	P4	C	4600	Triode Sect.	6.3	HS-0506-1	0.0	---	P1	E	★	Cap=G
{6KF8	6.3	EV-9108-0	1.4	---	P4	E	350	Pent. No. 1	6.3	HS-0506-3	0.0	---	P4	C	5600	Pent. Sect.
{6KF8	6.3	EV-7821-9	1.0	---	P4	E	350	Pent. No. 2	6.3	EV-9678-0	0.6	---	P4	C	4700	Triode Sect.
{6KF8	6.3	EV-7321-6	1.0	---	P4	E	350	Pent. Sect. Hold down PI and Press P4	6.3	EV-1203-0	1.8	---	P4	D	2500	Pent. Sect.
{6KL8	6.3	EV-2763-1	0.0	---	P1	D	★	Diode Sect.	6.3	EV-2637-0	1.6	---	P4	C	5000	Triode Sect.
{6KL8	6.3	EV-0803-0	0.0	---	P4	C	3000	Cap=P. Use Adapter SA-4, 1050-144, Note 7	6.3	EV-9108-0	1.2	---	P4	C	3000	Pent. Sect.
{6KM6†	6.3	EV-2073-8	20.0	---	P4	C	1075	Tetrode Plate No. 1, Hold down PI and Press P4	6.3	EV-2637-1	1.2	---	P4	C	3000	Triode Sect.
{Model 539C:	No Adapter Required.								6.3	EV-9108-6	4.8	---	P4	C	5800	Cap=P. Plate Volts=Low, Use Adapter SA-4, 1050-144, Note 7
{6KM8	6.3	EV-7986-0	0.0	---	---	D	1100	Tetrode Plate No. 2, Hold down PI and Press P4	6.3	EV-2073-8	7.0	---	---	---	---	---
{6KM8	6.3	EV-7286-0	0.0	---	---	D	1100	Tetrode Plate No. 3, Hold down PI and Press P4	Model 539C:	No Adapter Required.						
{6KM8	6.3	EV-7186-0	0.0	---	---	D	1100	Hold down PI and Press P4	6.3	EV-7986-0	1.5	---	P4	B	7800	Pent. Sect.
{6KM8	6.3	EV-0306-0	0.0	---	P1	D	★	Diode Sect.	6.3	EV-2301-0	1.2	---	P4	C	4250	Cap=P
{6KN6†	6.3	B3-5032-4	19.0	---	P4	C	4400	Cap=P	6.3	B3-5032-4	25.0	---	P4	C	3500	Pent. Sect. Use Adapter SA-4, 1050-144, Note 7
{6KN8	6.3	EV-7608-0	2.2	---	P4	B	7900	Triode No. 1	6.3	EV-2673-0	10.0	---	P4	E	650	Triode Sect.
{6KN8	6.3	EV-2103-0	2.2	---	P4	B	7900	Triode No. 2	6.3	EV-9801-0	3.6	---	---	---	---	---
{6KR8	6.3	EV-7986-0	2.0	---	P4	C	6600	Pent. Sect.	Model 539C:	No Adapter Required.						
{6KR8	6.3	EV-2301-0	1.2	---	P4	C	5900	Triode Sect.	6.3	EV-9321-0	0.8	---	P4	C	5350	Pent. Sect.
{6KS6	6.3	ET-2751-6	0.0	---	P4	E	250	Limiter Grid. Plates Volts=Low	6.3	EV-0807-0	0.0	19	P1	G	★	Diode No. 1
{6KS6	6.3	ET-6751-2	0.4	---	P4	D	570	Quadrature Grid. Plate Volts=Low	6.3	EV-0607-0	0.0	19	P1	G	★	Diode No. 2
{6KT6	6.3	EV-2781-9	1.0	---	P4	C	7500		6.3	ET-1562-7	1.0	---	P4	C	4400	

Limiter Grd. Plates Voids=Low

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{6LU8†	6.3	B3-6489-0	10.0	---	P4	C	Pent. Sect.	{6O11†	6.3	B3-9W04-8	3.2	---	P4	D	Triode No. 1
{6LU8	6.3	B3-W20X-0	3.6	---	P4	E	Triode Sect.	{6Q11	6.3	B3-7506-8	1.3	---	P4	E	Triode No. 2
6LV6†	6.3	B3-5032-4	23.0	---	P4	C	Cap=P	{6Q11	6.3	B3-X203-8	1.3	---	P4	E	Triode No. 3
6LW6	6.3	HY-5032-0	20	---	P4	C	Cap=P	6R4	6.3	EV-1803-0	5.0	---	P4	D	2500
6LX6†	6.3	B3-5032-4	20.0	---	P4	C	Cap=P	6S4	6.3	EV-6902-0	3.2	---	P4	D	2840
{6LY8	6.3	B3-5032-4	20.0	---	P4	C	Pent. Sect.	{6SN7	6.3	HY-4506-2	3.7	---	P4	D	1640
{6LY8	6.3	EV-7986-0	2.9	---	P4	C	Triode Sect.	{6SN7	6.3	HY-1203-5	3.7	---	P4	D	1640
{6LZ6†	6.3	EV-2301-0	1.4	---	P4	E	Cap-P, Use Adapter SA-4, 1050-144, Note 7	6T4	6.3	ET-2105-0	1.4	---	P4	C	4400
{Model 539C: No Adapter Required.	6.3	EV-6073-8	25.0	---	P4	C		{6T8	6.3	EV-8907-6	1.3	---	P4	E	750
6M3	6.3	JS-0003-0	0.0	89	P3	G	Cap-P, Reverse Meter, Shorten D.	{6T8	6.3	EV-0607-1	0.0	0	P1	G	★
{6M11†	6.3	B3-2X3W-0	0.6	---	P4	C	Pent. Sect.	{6T8	6.3	EV-0203-7	0.0	0	P1	G	★
{6M11	6.3	B3-8709-0	1.1	---	P4	C	Triode No. 1	{6T8	6.3	EV-0107-8	0.0	0	P1	G	★
6M11	6.3	B3-5604-0	1.1	---	P4	C	Triode No. 2	{6T9†	6.3	B3-8XW9-0	2.4	---	P4	C	3300
6MA6	6.3	DY-0607-4	0.0	---	P1	E	Cap=P	{6T9	6.3	B3-4205-0	0.8	---	P4	D	1620
6MB6†	6.3	B3-5032-4	17.0	---	P4	C	Cap=P	{6T10†	6.3	B3-8XW9-0	2.2	---	P4	C	3800
{6MB8	6.3	EV-9678-0	0.6	---	P4	C	Pent. Sect.	{6T10	6.3	B3-3762-5	1.6	---	P4	E	375
{6MB8	6.3	EV-1203-0	0.8	---	P4	C	Triode Sect.	{6U8	6.3	EV-2637-0	0.8	---	P4	D	2400
{6MC6†	6.3	EV-2073-8	20.0	---	P4	C	Cap-P, Use Adapter SA-4, 1050-144, Note 7	{6U8	6.3	EV-9108-0	1.0	---	P4	C	5350
{Model 539C: No Adapter Required.	6.3	EV-6073-8	7.0	---	P4	C		{6U9†	6.3	FW-3782-4	1.5	---	P4	C	4400
{6MD8†	6.3	EV-6307-0	4.0	---	P4	D	Triode No. 1, Use Adapter SA-4, 1050-144, Note 7	{6U9	6.3	FW-W901-0	4.5	---	P4	C	3150
{6MD8	6.3	EV-8207-0	4.0	---	P4	D	Triode No. 2	{6U10†	6.3	B3-9W04-0	3.8	---	P4	E	1225
{6MD8	6.3	EV-9107-0	4.0	---	P4	D	Triode No. 3	{6U10	6.3	B3-7506-0	2.2	---	P4	E	375
{Model 539C: No Adapter Required.	6.3	EV-6073-8	7.0	---	P4	C	Cap-P, Plate Volts=Low, Use Adapter SA-4, 1050-144, Note 7	{6U10	6.3	B3-X203-0	3.8	---	P4	E	1225
{6ME6†	6.3	EV-6073-8	7.0	---	P4	C		6V3	6.3	EV-0002-0	0.0	91	P3	G	★
{Model 539C: No Adapter Required.	6.3	EV-6937-2	2.0	---	P4	D	Plate No. 1	6V5	6.3	HY-5340-0	15.0	---	P4	D	2600
6ME8	6.3	EV-6837-2	2.0	---	P4	D	Plate No. 2	6V6	6.3	HS-5348-1	3.3	---	P4	D	2600
6MF8†	6.3	B3-7489-0	4.0	---	P4	D	Pent. Sect.	{6V9†	6.3	FW-3741-2	1.0	---	---	---	---
6MF8	6.3	B3-W20X-0	2.4	---	P4	D	Triode Sect.	{6V9	6.3	FW-8W09-0	2.4	---	P4	C	3150
6MG8	6.3	EV-2637-0	1.0	---	P4	D	Pent. Sect.	6W4	6.3	HY-0503-0	0.0	90	P3	G	★
6MG8	6.3	EV-9108-0	1.0	---	P4	C	Triode Sect.	6W6	6.3	HS-5348-0	1.5	---	---	C	5650
6MH6†	6.3	B3-5032-4	20.0	---	P4	C	Cap=P	{6X4	6.3	ET-0607-1	0.0	85	P3	C	★
{6MJ8†	6.3	B3-X203-0	3.2	---	P4	D	Triode No. 1	{6X4	6.3	ET-0107-6	0.0	85	P3	C	★
{6MJ8	6.3	B3-W403-0	3.2	---	P4	D	Triode No. 2	{6X5	6.3	HS-0508-1	0.0	85	P3	C	★
{6MJ8	6.3	B3-8603-0	3.2	---	P4	D	Triode No. 3	{6X5	6.3	HS-0308-1	0.0	85	P3	C	★
{6MK8	6.3	EV-7821-9	0.0	---	---	D	Pent. No. 1, Hold Down PI and Press P4	{6X8	6.3	EV-7986-1	1.2	---	P4	C	2900
{6MK8	6.3	EV-7321-6	0.0	---	---	D	Pent. No. 2, Hold Down PI and Press P4	{6X8	6.3	EV-2306-1	2.0	---	P4	C	3650
6ML8	6.3	EV-6307-0	2.0	---	P4	C	Triode No. 1	{6X9†	6.3	FW-3782-4	1.5	---	P4	C	4700
6ML8	6.3	EV-8207-0	2.0	---	P4	C	Triode No. 2	{6X9	6.3	FW-W901-0	1.2	---	P4	D	3000
6ML8	6.3	EV-9107-0	2.0	---	P4	C	Triode No. 3	{6Y9†	6.3	FW-8W97-0	2.2	---	P4	C	6300
{6MN8†	6.3	B3-8603-0	1.0	---	P4	C	Triode No. 1	{6Y9	6.3	FW-1432-0	1.0	---	P4	C	5300
6MN8	6.3	B3-W403-0	1.0	---	P4	C	Triode No. 2	{6Y10†	6.3	B3-8XW9-0	2.7	---	P4	D	3300
6MN8	6.3	B3-X203-0	1.0	---	P4	C	Triode No. 3	{6Y10	6.3	B3-3762-5	1.5	---	P4	E	900
6MQ8	6.3	EV-2637-0	1.0	---	P4	C	Pent. Sect.	{6Z4	6.3	FR-0304-0	0.0	88	P3	G	★
6MQ8	6.3	EV-9108-0	1.0	---	P4	C	Triode Sect.	{6Z4	6.3	FR-0204-0	0.0	88	P3	G	★
6MU8	6.3	EV-2637-0	2.0	---	P4	C	Triode Sect.	{6Z10†	6.3	B3-7468-5	0.0	---	P4	E	250
6MU8	6.3	EV-9108-0	2.0	---	P4	C	Triode Sect.	{6Z10	6.3	B3-X923-0	2.6	---	P4	C	4300
6MV8	6.3	EV-7986-0	1.0	---	P4	C	Pent. Sect.	{7AU7	6.3	EV-7608-0	3.2	---	P4	D	1950
{6MV8	6.3	EV-2301-0	1.4	---	P4	D	Triode Sect.	{7AU7	6.3	EV-2103-0	3.2	---	P4	D	1950
{6MY8†	6.3	B3-6489-0	10.0	---	P4	C	Pent. Sect.	{7DJ8	7.5	EV-7608-0	3.0	---	P4	C	7750
{6MY8	6.3	B3-W20X-0	3.6	---	P4	E	Triode Sect.	{7DJ8	7.5	EV-2103-0	3.0	---	P4	C	7750

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	
{7ES8	7.5	EV-7608-0	2.4	---	P4	C	7500	Triode No. 1	{8CB11†	7.5	B3-W89X-7	0.8	---	P4	Pent. No. 1	
{7ES8	7.5	EV-2103-0	2.4	---	P4	C	7500	Triode No. 2	{8CB11	7.5	B3-5236-4	0.8	---	P4	Pent. No. 2	
{7EY6	7.5	HS-5348-0	6.8	---	P4	D	2800		{8CG7	7.5	EV-7608-9	3.7	---	P4	Triode No. 1	
{7FC7	7.5	EV-6908-0	2.4	---	P4	C	6000	Triode No. 1	{8CG7	7.5	EV-2103-9	3.7	---	P4	Triode No. 2	
{7FC7	7.5	EV-2301-0	2.4	---	P4	C	6000	Triode No. 2	{8CM7	7.5	EV-7603-0	4.7	---	P4	Triode No. 1	
{7HG8	7.5	EV-2893-0	0.6	---	P4	C	5400	Pent. Sect.	{8CM7	7.5	EV-8109-0	4.0	---	P4	Triode No. 2	
{7HG8	7.5	EV-6703-0	5.4	---	P4	D	3000	Triode Sect.	{8CN7	7.5	EV-7806-0	1.3	---	P4	Triode Sect.	
{7KY6	7.5	EV-2781-3	1.0	---	P4	B	10000		{8CN7	7.5	EV-0203-0	0.0	0	P1	Diode No. 1	
{7KZ6	7.5	EV-2781-3	2.0	---	P4	B	8200		{8CN7	7.5	EV-0103-0	0.0	0	P1	Diode No. 2	
{8AC9†	7.5	B3-9XW8-7	1.0	---	P4	C	4400	Pent. Sect.	{8CS7	7.5	EV-7608-0	3.7	---	P4	Triode No. 1	
{8AC9	7.5	B3-0304-0	0.0	18	P1	G	★	Diode No. 1	{8CS7	7.5	EV-3109-0	5.3	---	P4	Triode No. 2	
{8AC9	7.5	B3-0203-0	0.0	18	P1	G	★	Diode No. 2	{8CW5	7.5	EV-2793-0	4.0	---	P4	C	4500
{8AC10†	10.0	B3-9W04-0	1.0	---	P4	C	3450	Triode No. 1, Set "Power Adjust" at 89V.	{8CX8	7.5	EV-7986-0	2.0	---	P4	C	4100
{8AC10	10.0	B3-7506-0	1.0	---	P4	C	3450	Triode No. 2	{8CX8	7.5	EV-2301-0	1.2	---	P4	D	2900
{8AC10	10.0	B3-X203-0	1.0	---	P4	C	3450	Triode No. 3	{8EB8	7.5	EV-7986-0	0.8	---	P4	C	5000
{8AL9†	7.5	B3-X2W9-4	0.5	---	P4	B	8200	Pent. Sect.	{8EB8	7.5	EV-2301-0	0.6	---	P4	E	1400
{8AL9	7.5	B3-5706-0	1.4	---	P4	C	4000	Triode Sect.	{8EM5	7.5	EV-3917-0	3.7	---	P4	D	3200
{8AR11†	7.5	B3-W89X-7	0.6	---	P4	C	5600	Pent. No. 1	{8ET7	7.5	EV-7986-0	2.0	---	P4	C	5000
{8AR11	7.5	B3-5236-4	0.6	---	P4	C	5600	Pent. No. 2	{8ET7	7.5	EV-0301-0	0.0	---	P1	D	★
{8AU8	7.5	EV-7986-0	1.0	---	P4	C	4400	Pent. Sect.	{8ET7	7.5	EV-0201-0	0.0	---	P1	D	★
{8AU8	7.5	EV-2301-0	1.5	---	P4	C	3100	Triode Sect.	{8FQ7	7.5	EV-7608-0	3.7	---	P4	D	1640
{8AV11†	7.5	B3-9W04-0	3.0	---	P4	E	1600	Triode No. 1	{8FQ7	7.5	EV-2103-0	3.7	---	P4	D	1640
{8AV11	7.5	B3-7506-0	3.0	---	P4	E	1600	Triode No. 2	{8GK6	7.5	EV-2781-3	1.0	---	P4	C	6300
{8AV11	7.5	B3-X203-0	3.0	---	P4	E	1600	Triode No. 3	{8GN8	7.5	EV-7986-0	2.0	---	P4	C	5100
{8AW8A	7.5	EV-7986-0	2.0	---	P4	C	4700	Pent. Sect.	{8GN8	7.5	EV-2301-0	1.6	---	P4	E	800
{8AW8A	7.5	EV-2301-0	1.3	---	P4	C	2500	Triode Sect.	{8GU7	7.5	EV-7608-0	5.2	---	P4	D	1730
{8B10†	7.5	B3-5607-0	4.4	---	P4	D	1700	Triode No. 1, Set "Power Adjust" at 114 Volts	{8GU7	7.5	EV-2103-0	5.2	---	P4	D	1730
{8B10	7.5	B3-3402-0	4.4	---	P4	D	1700	Triode No. 2	{8GX7	7.5	EV-2671-0	1.0	---	P4	C	4400
{8B10	7.5	B3-0W09-0	0.0	0	P1	G	★	Triode No. 3	{8GX7	7.5	EV-9801-0	1.4	---	P4	C	5300
{8B10	7.5	B3-0809-0	0.0	0	P1	G	★	Triode No. 4	{8JL8	7.5	EV-7986-0	2.4	---	P4	C	4800
{8BA8A	7.5	EV-7986-0	1.5	---	P4	C	4400	Pent. Sect.	{8JL8	7.5	EV-2301-0	2.0	---	P4	D	2900
{8BA8A	7.5	EV-2301-0	5.6	---	P4	D	1700	Triode Sect.	{8JV8	7.5	EV-7986-0	1.2	---	P4	C	5200
{8BA11†	7.5	B3-4638-7	1.0	---	P4	D	500	Pent. No. 1	{8JV8	7.5	EV-2301-0	1.4	---	P4	D	2200
{8BA11	7.5	B3-4238-5	1.0	---	P4	D	500	Pent. No. 2	{8JU8	7.5	EV-0809-0	0.0	0	P1	G	★
{8BA11	7.5	B3-9X0W-0	4.8	---	P4	D	1250	Triode Sect.	{8JU8	7.5	EV-0708-0	0.0	0	P1	G	★
{8BH8	7.5	EV-7986-0	0.5	---	---	C	3150	Pent. Sect. Held down P1 and Pent. P2	{8JU8	7.5	EV-0203-0	0.0	0	P1	G	★
{8BH8	7.5	EV-2301-0	4.8	---	P4	D	2100	Triode Sect.	{8JU8	7.5	EV-0102-0	0.0	0	P1	G	★
{8BM11†	7.5	B3-X79W-8	1.0	---	P4	C	3800	Pent. No. 1	{8K11†	7.5	B3-9W04-8	3.2	---	P4	D	1950
{8BM11	7.5	B3-6235-4	1.2	---	P4	C	3500	Pent. No. 2	{8K11	7.5	B3-7506-8	1.3	---	P4	E	800
{8BN8	7.5	EV-8709-0	1.8	---	P4	D	1600	Triode Sect.	{8K11	7.5	B3-X203-8	1.3	---	P4	E	800
{8BN8	7.5	EV-0603-0	0.0	0	P1	G	★	Diode No. 1	{8KA8	7.5	EV-6983-7	1.2	---	P4	E	1260
{8BN8	7.5	EV-0102-0	0.0	0	P1	G	★	Diode No. 2	{8KA8	7.5	EV-2103-0	2.4	---	P4	E	1260
{8BN11†	10.0	B3-7X98-W	1.0	---	P4	C	3800	Pent. No. 1, Set "Power Adjust" to 99V.	{8KR8	7.5	EV-7986-0	2.0	---	P4	C	6600
{8BN11	10.0	B3-3542-6	1.0	---	P4	C	3800	Pent. No. 2	{8KR8	7.5	EV-2301-0	1.2	---	P4	C	5900
{8BQ5	7.5	EV-2793-0	1.0	---	P4	C	5650		{8LC8	7.5	EV-6987-3	1.2	---	P4	E	1260
Tubes indicating gas: Re-test using EV-1793-0																
{8BQ11†	7.5	B3-W89X-7	0.0	---	P4	C	6300	Pent. No. 1	{8LR8†	7.5	EV-2673-0	10.0	---	P4	C	3500
{8BQ11	7.5	B3-5236-4	0.4	---	P4	C	6500	Pent. No. 2	{8LR8	7.5	EV-9801-0	3.6	---	P4	E	650
{8BU11†	7.5	B3-8W9X-0	1.0	---	P4	D	3000	Pent. Sect.	(Model 539C: No Adapter Required.							
{8BU11	7.5	B3-6705-0	1.6	---	P4	C	4000	Triode No. 1								
{8BU11	7.5	B3-4302-0	1.6	---	P4	C	4000	Triode No. 2								

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{8LT8	7.5	EV-9321-6	0.8	---	P4	C	Pent. Sect.	{10EG7	10.0	HY-4506-0	6.0	---	P4	E	1200 Triode No. 1
{8LT8	7.5	EV-0807-0	0.0	19	P1	C	Diode No. 1	{10EG7	10.0	HY-1203-0	20.0	---	P4	C	4700 Triode No. 2
{8LT8	7.5	EV-0807-0	0.0	19	P1	C	Diode No. 2	{10EM7	10.0	HY-4506-0	1.6	---	P4	D	1000 Triode No. 1
{9MU8	7.5	EV-2637-0	2.0	---	P4	C	Pent. Sect.	{10EM7	10.0	HY-1203-0	17.0	---	P4	C	6000 Triode No. 2
{9MU8	7.5	EV-9103-0	2.0	---	P4	C	Triode Sect.	{10GF7†	10.0	EV-9801-0	2.0	---	P4	E	600 Triode No. 1, Use Adapter SA-4, 1059-144, Note 7
{8SN7	7.5	HY-4506-0	3.7	---	P4	D	Triode No. 1	{10GF7†	10.0	EV-2603-0	16.0	---	P4	C	5000 Triode No. 2
{8SN7	7.5	HY-1203-0	3.7	---	P4	D	Triode No. 2	{Model 539C: No Adapter Required.							
{8U9†	7.5	FW-3732-4	1.5	---	P4	C	Pent. Sect. Use Adapter SA-11, 1059-177, Note 7	{10GK6	10.0	EV-2781-3	1.0	---	P4	C	6300 Pent. Sect.
{8U9	7.5	FW-W901-0	4.5	---	P4	C	Triode Sect.	{10GN8	10.0	EV-7986-0	2.0	---	P4	C	5100 Triode Sect.
{8X9†	7.5	FW-W901-0	1.5	---	P4	C	Triode Sect.	{10GN8	10.0	EV-2301-0	1.6	---	P4	E	800 Pent. Sect.
{8X9	7.5	FW-W901-0	1.2	---	P4	D	Triode Sect.	{10GV8	10.0	EV-9678-0	8.0	---	P4	C	4100 Pent. Sect.
{9AH9†	10.0	B3-5X37-9	1.2	---	P4	C	Pent. Sect.	{10GV8	10.0	EV-2103-0	2.0	---	P4	D	2800 Triode Sect.
{9AH9	10.0	B3-2304-0	4.3	---	P4	E	Triode Sect.	{10HF8	10.0	EV-7986-0	1.8	---	P4	C	5000 Pent. Sect.
{9AK10†	10.0	B3-9W04-0	2.0	---	P4	D	Triode No. 1	{10HF8	10.0	EV-2301-0	1.2	---	P4	D	2500 Triode Sect.
{9AK10	10.0	B3-7506-0	2.0	---	P4	D	Triode No. 2	{10J10†	10.0	B3-7468-5	0.0	---	P4	E	250 Pent. No. 1, Plate Volts=Low
{9AK10	10.0	B3-X203-0	2.0	---	P4	D	Triode No. 3	{10J10	10.0	B3-X923-0	2.6	---	P4	C	4300 Pent. No. 2
{9AU7	10.0	EV-7608-0	3.2	---	P4	D	Triode No. 1	{10JA5†	10.0	B3-9634-0	15.0	---	P4	C	3900 Tetrode Sect.
{9AU7	10.0	EV-2103-0	3.2	---	P4	D	Triode No. 2	{10JA8	10.0	EV-7986-0	1.0	---	P4	C	5700 Triode Sect.
{9J11†	10.0	B3-X79W-8	1.0	---	P4	D	Pent. No. 1	{10JA8	10.0	EV-2301-0	1.6	---	P4	D	2200 Pent. Sect. Use "Min. and Sub-Min. Shunt Position."
{9J11	10.0	B3-6235-4	1.0	---	P4	C	Pent. No. 2	{10JT8	10.0	EV-7986-0	1.6	---	P4	C	5700 Triode Sect.
{9EA8	10.0	EV-2637-0	0.8	---	P4	D	Pent. Sect.	{10JY8	10.0	EV-2301-0	2.6	---	P4	E	950 Pent. Sect.
{9EA8	10.0	EV-9108-0	1.4	---	P4	C	Triode Sect.	{10JY8	10.0	EV-7986-0	2.0	---	P4	C	4750 Pent. Sect.
{9GH8	10.0	EV-2637-0	1.7	---	P4	D	Pent. Sect.	{10JY8	10.0	EV-2301-0	1.2	---	P4	C	6500 Triode Sect.
{9GH8	10.0	EV-9103-0	1.3	---	P4	C	Triode Sect.	{10KR8	10.0	EV-7986-0	2.0	---	P4	C	6600 Pent. Sect.
{9JW8	10.0	EV-2637-0	1.6	---	P4	D	Pent. Sect.	{10KR8	10.0	EV-2301-0	1.2	---	P4	C	5900 Triode Sect.
{9JW8	10.0	EV-9103-0	1.1	---	P4	D	Triode Sect.	{10KU8	10.0	EV-7986-0	2.0	---	P4	B	6300 Pent. Sect.
{9K06	7.5	EV-2791-6	1.0	---	P4	C	Triode Sect.	{10KU8	10.0	EV-0301-0	0.0	---	P1	D	★ Diode No. 1
{9KX6	7.5	EV-2781-3	1.0	---	P4	B	Pent. Sect.	{10KU8	10.0	EV-0201-0	0.0	---	P1	D	★ Diode No. 2
{9KZ8	10.0	EV-2673-0	1.4	---	P4	D	Triode Sect.	{10LB8	10.0	EV-7986-0	2.2	---	P4	C	5350 Pent. Sect.
{9KZ8	10.0	EV-9108-0	1.8	---	P4	C	Triode Sect.	{10LB8	10.0	EV-2301-0	1.6	---	P4	C	2950 Triode Sect.
{9LA6	7.5	EV-2781-3	2.0	---	P4	C	Triode No. 1	{10LD6	10.0	EV-2781-3	1.6	---	P4	C	5500 Pent. No. 1
{9ML8	10.0	EV-6307-2	2.0	---	P4	C	Triode No. 2	{10LE8	10.0	EV-9683-7	2.0	---	P4	E	800 Pent. No. 2
{9ML8	10.0	EV-9207-0	2.0	---	P4	C	Triode No. 3	{10LE8	10.0	EV-9183-2	2.0	---	P4	E	800 Pent. No. 2
{9ML8	10.0	EV-9107-0	2.0	---	P4	C	Triode No. 1	{10LW8	10.0	EV-7986-0	2.0	---	P4	C	6300 Pent. Sect.
{9MN8†	10.0	B3-8603-0	1.0	---	P4	C	Triode No. 2	{10LW8	10.0	EV-2301-0	3.0	---	P4	E	750 Triode Sect.
{9MN8	10.0	B3-W403-0	1.0	---	P4	C	Triode No. 3	{10LY8	10.0	EV-7986-0	2.9	---	P4	C	4800 Pent. Sect.
{9MN8	10.0	B3-X203-0	1.0	---	P4	C	Triode No. 1	{10LY8	10.0	EV-2301-0	1.4	---	P4	E	875 Triode Sect.
{9R-AL1	10.0	EV-7608-0	6.4	---	P4	C	Triode No. 2	{10LZ8	10.0	EV-7986-0	2.0	---	P4	C	4100 Pent. Sect.
{9R-AL1	10.0	EV-3109-0	6.0	---	P4	E	Triode No. 1	{10LZ8	10.0	EV-2301-0	3.0	---	P4	E	315 Triode Sect.
{9V9†	10.0	FW-3741-2	1.0	---	---	E	Pent. Sect. Hold Down P1 and Press P4. Use Adapter SA-11, 1059-177, Note 7	{10T10†	10.0	B3-8XW9-0	2.2	---	P4	C	3800 Pent. No. 1
{9V9	10.0	FW-W909-0	2.4	---	P4	C	Triode Sect.	{10T10	10.0	B3-3762-5	1.6	---	P4	E	375 Pent. No. 2
{10AL11†	10.0	B3-8XW9-0	2.4	---	P4	C	Pent. No. 1	{10Z10†	10.0	B3-7468-5	0.0	---	P4	E	250 Pent. No. 1, Plate Volts=Low
{10AL11	10.0	B3-3672-4	3.4	---	P4	E	Pent. No. 2	{10Z10	10.0	B3-X923-0	2.6	---	P4	E	4300 Pent. No. 2
{10BQ5	10.0	EV-2793-0	1.0	---	P4	C	Tubes Indicating Gas: Re-test using EV-1703-0	{11AF9†	12.6	FW-8W97-0	2.2	---	P4	C	6300 Pent. No. 1, Use Adapter SA-11, 1059-177, Note 7
{10CW5	10.0	EV-2793-0	4.0	---	P4	C	Triode No. 1	{11AF9	12.6	FW-1432-0	1.0	---	P4	C	5300 Pent. No. 2
{10DE7	10.0	EV-7608-0	5.0	---	P4	E	Triode No. 2	{11AR11†	12.6	B3-W89X-7	0.6	---	P4	C	5300 Pent. No. 1, Sat. "Power adjust" at 91 Volts
{10DE7	10.0	EV-2109-0	19.0	---	P4	C	Triode No. 1	{11AR11	12.6	B3-5236-4	0.6	---	P4	C	5300 Pent. No. 2
{10DR7	10.0	EV-7608-0	1.3	---	P4	D	Triode No. 1	{11BQ11†	12.6	B3-W89X-7	0.6	---	P4	C	4400 Pent. No. 1, Keep "Power adjust" at 8V.
{10DR7	10.0	EV-2109-0	18.0	---	P4	C	Triode No. 2	{11BQ11	12.6	B3-5236-4	0.6	---	P4	C	5000 Pent. No. 2

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{11BT11†	10.0	B3-X2W8-6	1.0	---	P4	B	Pent. Sect.
{11BT11	10.0	B3-5706-0	0.8	---	P4	D	Triode No. 1
{11BT11	10.0	B3-3904-0	2.0	---	P4	D	Triode No. 2
{11CA11†	10.0	B3-8XW9-7	2.5	---	P4	C	Pent. Sect.
{11CA11	10.0	B3-6405-0	2.0	---	P4	D	Triode No. 1
{11CA11	10.0	B3-3207-0	2.0	---	P4	D	Triode No. 2
{11CF11†	10.0	B3-5346-0	0.4	---	P4	B	Pent. Sect.
{11CF11	10.0	B3-9W08-0	1.4	---	P4	C	Triode No. 1
{11CF11	10.0	B3-X207-0	1.1	---	P4	C	Triode No. 2
{11CY7	10.0	EV-7608-0	1.5	---	P4	D	Triode No. 1
{11CY7	10.0	EV-2109-0	20.0	---	P4	C	Triode No. 2
{11DS5	12.6	ET-1562-0	2.0	---	P4	C	Triode No. 2
{11FY7†	10.0	B3-WX09-0	1.7	---	P4	D	Triode No. 1
{11FY7	10.0	B3-3507-0	12.5	---	P4	C	Triode No. 2
{11HM7	10.0	EV-2781-9	1.0	---	P4	B	Pent. Sect.
{11JE8	10.0	EV-7986-0	1.2	---	P4	C	Triode Sect.
{11JE8	10.0	EV-2301-0	2.4	---	P4	E	Pent. Sect.
{11KV8	10.0	EV-7986-0	1.5	---	P4	B	Pent. Sect.
{11KV8	10.0	EV-2301-0	1.0	---	P4	D	Triode Sect.
{11LQ8	10.0	EV-7986-0	1.5	---	P4	B	Pent. Sect.
{11LQ8	10.0	EV-2301-0	1.2	---	P4	C	Triode Sect.
{11LT8	12.6	EV-9321-6	0.4	---	P4	C	Pent. Sect.
{11LT8	12.6	EV-0607-0	0.0	0	P1	G	Set "Power Adjust" to 39V.
{11LT8	12.6	EV-0807-0	0.0	0	P1	G	Triode No. 1
{11LY6	10.0	EV-2781-3	1.0	---	P4	C	Diode No. 2
{11MS8	12.6	EV-9678-0	18.0	---	P4	D	Pent. Sect.
{11MS8	12.6	EV-2103-0	1.0	---	P4	C	Triode Sect.
{11Y9†	10.0	FW-8W97-0	2.2	---	P4	C	Pent. No. 1
{11Y9	10.0	FW-1432-0	1.0	---	P4	C	Pent. No. 2
{12AC10†	12.6	B3-9W04-0	1.0	---	P4	C	Triode No. 1
{12AC10	12.6	B3-7506-0	1.0	---	P4	C	Triode No. 2
{12AC10	12.6	B3-X203-0	1.0	---	P4	C	Triode No. 3
{12AE10†	12.6	B3-8XW9-0	5.8	---	P4	D	Pent. No. 1
{12AE10	12.6	B3-3762-5	3.0	---	P4	E	Pent. No. 2
{12AF3	12.6	EV-0002-0	0.0	88	P3	G	Cap-P. Reverse Meter Short on D.
{12AL5	12.6	ET-0701-6	0.0	0	P1	G	Triode No. 1
{12AL5	12.6	ET-0205-6	0.0	0	P1	G	Triode No. 2
{12AL11†	12.6	B3-8XW9-0	2.4	---	P4	C	Pent. No. 1
{12AL11	12.6	B3-3672-4	3.4	---	P4	C	Pent. No. 2
{12AQ5	12.6	ET-1562-0	2.1	---	P4	D	Triode Sect.
{12AT6	12.6	ET-1702-0	1.5	---	P4	E	Triode No. 1
{12AT6	12.6	ET-1602-0	0.0	---	P1	D	Triode No. 2
{12AT6	12.6	ET-1502-0	0.0	---	P1	D	Triode No. 2
{12AT7	12.6	EV-7608-0	1.6	---	P4	D	Triode No. 1
{12AT7	12.6	EV-2103-0	1.6	---	P4	D	Triode No. 2
{12AU6	12.6	ET-1567-2	1.0	---	P4	D	Triode No. 1
{12AU7	12.6	EV-7608-0	3.2	---	P4	D	Triode No. 2
{12AV5	12.6	HS-1583-0	6.5	---	---	C	Pent. Sect.

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{12CS6	12.6 ET-1552-7	0.0	---	---	P4	500	Grid No. 1 Plate Volts=Low	{12JN8	12.6 EV-9678-0	1.0	---	---	P4	D 3200	Pent. Sect.
{12CS6	12.6 ET-7562-1	0.0	---	---	P4	790	Grid No. 3 Plate Volts=Low	{12JN8	12.6 EV-1203-0	1.8	---	---	P4	D 3800	Triode Sect.
12CT3	12.6 EV-0209-0	0.0	90	---	P3	★	Hold down P1 and Press P4	{12JQ6	12.6 EV-7139-6	25.0	---	---	P4	D 2900	Pent. Sect.
12CU5	12.6 ET-2761-0	1.0	---	---	---	47	Cap=P	{12JQ6	12.6 EV-0609-0	0.0	0	---	P1	G ★	Diode Sect.
12CU6	12.6 HS-5048-0	12.0	---	---	P4	35	Cap=P	{12JS6†	12.6 B3-5032-4	25.0	---	---	P4	C 3150	Cap=P
12D4	12.6 HY-0503-0	0.0	86	---	P3	★	Cap=P	{12JT6†	12.6 EV-2973-6	22.0	---	---	P4	C 4100	Use Adapter SA-4, 1050-144, Note 7
12DB5	12.6 EV-3912-0	1.5	---	---	---	5650	Hold down P1 and Press	{Model 539C: No Adapter Required.							
{12DJ8	12.6 EV-7608-0	3.0	---	---	P4	7750	Triode No. 1	{12K8	12.6 HS-5348-6	1.1	---	---	P4	D 630	Hex. Sect. Cap=G
{12DJ8	12.6 EV-2103-0	3.0	---	---	P4	7750	Triode No. 2	{12K8	12.6 HS-5608-4	2.0	---	---	P4	D 1900	Triode Sect.
12DM4	12.6 HY-0503-0	0.0	87	---	P3	★	Hold down P1 and Press P4	{12MD8†	12.6 EV-6307-0	4.0	---	---	P4	D 2300	Triode No. 1, Use Adapter SA-4, 1050-144, Note 7
12DM5	12.6 ET-2761-0	1.5	---	---	---	5650	Cap=P	{12MD8	12.6 EV-8207-0	4.0	---	---	P4	D 2300	Triode No. 2
12DO6	12.6 HS-5048-0	0.0	---	---	P4	5000	Plate Volts=Low	{12MD8	12.6 EV-9107-0	4.0	---	---	P4	D 2300	Triode No. 3
12DT5	12.6 EV-3917-0	4.4	---	---	P4	3450	Grid No. 1	{Model 539C: No Adapter Required.							
{12DT6	12.6 ET-7562-1	1.8	---	---	P4	380	Grid No. 3, Hold down P1 and Press P4	{12MN8†	12.6 B3-8603-0	1.0	---	---	P4	C 1200	Triode No. 1
{12DT7	12.6 EV-7608-0	1.3	---	---	---	315	Triode No. 1	{12MN8	12.6 B3-W403-0	1.0	---	---	P4	C 1200	Triode No. 2
{12DT7	12.6 EV-2103-0	1.3	---	---	P4	875	Triode No. 2	{12MN8	12.6 B3-X203-0	1.0	---	---	P4	C 1200	Triode No. 3
{12DT8	12.6 EV-7608-9	1.6	---	---	P4	2500	Triode No. 1	{12R-LL5	12.6 EV-7608-0	3.7	---	---	P4	D 1640	Triode No. 1
{12DT8	12.6 EV-2103-9	1.6	---	---	P4	2500	Triode No. 2	{12R-LL5	12.6 EV-2103-0	3.7	---	---	P4	D 1640	Triode No. 2
{12DW4†	12.6 EV-0209-0	0.0	82	---	P3	★	Use Adapter SA-4, 1050-144, Note 7	{12SN7	12.6 HY-4506-2	3.7	---	---	P4	D 1640	Triode No. 1
{Model 539C: No Adapter Required.								{12SN7	12.6 HY-1203-5	3.7	---	---	P4	D 1640	Triode No. 2
{12DW7	12.6 EV-7608-0	1.3	---	---	P4	875	Triode No. 1	{12T10†	12.6 B3-8XW9-0	2.2	---	---	P4	C 3800	Pent. No. 1
{12DW7	12.6 EV-2103-0	4.8	---	---	P4	1380	Triode No. 2	{12T10	12.6 B3-3762-5	1.6	---	---	P4	E 375	Pent. No. 2
12DZ6	12.6 ET-2657-1	0.0	---	---	P1	★	Make no gas test	12V6	12.6 HS-5348-0	3.3	---	---	P4	D 2600	Hold Down P1 and Press P4
{12FQ8	12.6 EV-7809-0	0.8	---	---	P4	500	Triode No. 1 Plate No. 1	12W6	12.6 HS-5348-0	1.5	---	---	---	C 5650	Plate No. 1
{12FQ8	12.6 EV-7609-0	0.8	---	---	P4	500	Triode No. 1 Plate No. 2	{12X4	12.6 ET-0607-1	0.0	85	---	P3	G ★	Plate No. 2
{12FQ8	12.6 EV-2309-0	0.8	---	---	P4	500	Triode No. 2 Plate No. 1	{12X4	12.6 ET-0107-6	0.0	85	---	P3	G ★	Plate No. 2, Use Adapter SA-4, 1050-144, Note 7
{12FQ8	12.6 EV-2109-0	0.8	---	---	P4	500	Triode No. 2 Plate No. 2	{13CW4†	12.6 DR-4208-0	0.5	---	---	P4	C 5000	Plate Volts=Low
12FX5	12.6 ET-2761-0	3.0	---	---	P4	4900	Pent. No. 1	{Model 539C: No Adapter Required.							
{12G11†	12.6 B3-8XW9-0	1.8	---	---	P4	2700	Pent. No. 2	{13CW4	12.6 13-4208-0	0.5	---	---	P4	C 5000	Plate Volts=Low
{12G11	12.6 B3-3672-4	3.0	---	---	P4	300	Cap=P	{13DE7	12.6 EV-7608-0	5.0	---	---	P4	E 1260	Triode No. 1
12GC6	12.6 HS-5083-0	15.0	---	---	P4	3600	Cap=P	{13DE7	12.6 EV-2109-0	19.0	---	---	P4	C 3800	Triode No. 2
12GE5†	12.6 B3-X72W-0	15.0	---	---	P4	3500	Cap=P, Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7	{13DR7	12.6 EV-7608-0	1.3	---	---	P4	D 1000	Triode No. 1
{12GJ5†	12.6 EV-6073-0	5.3	---	---	---	4400	Cap=P, Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7	{13DR7	12.6 EV-2109-0	18.0	---	---	P4	C 4100	Triode No. 2
{Model 539C: No Adapter Required.								{13EM7	12.6 HY-4506-0	1.6	---	---	P4	D 1000	Triode No. 1
12GN7	12.6 EV-2781-9	0.6	---	---	P4	B11500	Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7	{13EM7	12.6 HY-1203-0	17.0	---	---	P4	C 6000	Triode No. 2
{12GT5†	12.6 EV-6973-0	5.3	---	---	---	4400	Cap=P	{13FD7	12.6 EV-7608-0	0.8	---	---	P4	E 1000	Triode No. 1
{Model 539C: No Adapter Required.								{13FD7	12.6 EV-2109-0	17.0	---	---	P4	C 4700	Triode No. 2
12GV5†	12.6 B3-90XW-0	14.0	---	---	P4	4400	Cap=P, Plate Volts=Low	{13FM7†	12.6 B3-WX09-0	2.6	---	---	P4	E 600	Triode No. 1
12GW6	12.6 HS-5048-0	0.0	---	---	P4	5000	Cap=P, Plate Volts=Low	{13FM7	12.6 B3-8507-0	16.0	---	---	P4	C 4500	Triode No. 2
12H-B25	12.6 EV-2079-8	12.0	---	---	P4	C 4100	Cap=P, Use Adapter SA-8, 1050-168	{13GF7†	12.6 EV-9801-0	2.0	---	---	P4	E 600	Triode No. 1, Use Adapter SA-4, 1050-144, Note 7
{12HE7†	12.6 B3-95X8-0	15.0	---	---	P4	C 4700	Pent. Sect.	{13GF7	12.6 EV-2603-0	16.0	---	---	P4	C 5000	Triode No. 2
{12HE7	12.6 B3-0204-0	0.0	89	---	P3	G ★	Diode Sect.	{Model 539C: No Adapter Required.							
12HG7	12.6 EV-2781-3	1.0	---	---	P4	B10000	Pent. Sect.	{13J10†	12.6 B3-7468-5	0.0	---	---	P4	E 250	Pent. No. 1, Plate Volts=Low
12HL5	12.6 EV-2793-0	3.0	---	---	P4	C 6000	Triode Sect.	{13J10	12.6 B3-X923-0	2.6	---	---	P4	C 4300	Pent. No. 2
12HL7	12.6 EV-2781-3	2.3	---	---	P4	C 4500	Triode Sect.	{13JZ8†	12.6 B3-7489-0	7.6	---	---	P4	C 4050	Pent. Sect.
{12JB6†	12.6 EV-2013-9	5.3	---	---	---	4400	Cap=P, Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7	{13JZ8	12.6 B3-W20X-0	5.0	---	---	P4	E 1150	Triode Sect.
{Model 539C: No Adapter Required.								{13V10†	12.6 B3-8XW9-0	3.4	---	---	P4	C 3100	Pent. No. 1, Plate Volts=Low
12JF5†	12.6 B3-3024-0	0.0	---	---	P4	5000	Cap=P, Plate Volts=Low	{13V10	12.6 B3-3762-5	2.8	---	---	P4	E 450	Pent. No. 2
12JN6†	12.6 B3-X732-4	12.0	---	---	P4	C 4100	Cap=P, Plate Volts=Low	{13Z10†	12.6 B3-7468-5	0.0	---	---	P4	E 250	Pent. No. 1, Plate Volts=Low
								{13Z10	12.6 B3-X923-0	2.6	---	---	P4	C 4300	Pent. No. 2

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
14BL11†	12.6 B3-X2W8-0	1.4	---	---	P4	C 7500	Pent. Sect.
14BL11	12.6 B3-5706-0	0.6	---	---	P4	C 3800	Triode No. 1
14BL11	12.6 B3-3904-0	2.0	---	---	P4	C 4400	Triode No. 2
14BR11†	12.6 B3-2X34-0	0.5	---	---	P4	C 4700	Pent. Sect.
14BR11	12.6 B3-8605-0	1.0	---	---	P4	C 3900	Triode No. 1
14BR11	12.6 B3-W907-0	1.0	---	---	P4	C 3200	Triode No. 2
14GT8	12.6 EV-8907-0	0.5	---	---	P4	E 500	Triode Sect.
14GT8	12.6 EV-0601-0	0.0	0	0	P1	G ★	Diode No.
14GT8	12.6 EV-0203-0	0.0	0	0	P1	G ★	Diode No.
14JG8	12.6 EV-8907-0	1.0	---	---	P4	E 950	Triode Sect.
14JG8	12.6 EV-0601-0	0.0	0	0	P1	G ★	Diode No. 1
14JG8	12.6 EV-0203-0	0.0	0	0	P1	G ★	Diode No. 2
15AF11†	12.6 B3-X2W9-0	2.0	---	---	P4	C 5600	Pent. Sect. Set "Power Adjust" to 118 Volts
15AF11	12.6 B3-6805-0	1.2	---	---	P4	C 4400	Triode No. 1
15AF11	12.6 B3-3407-0	1.5	---	---	P4	D 3100	Triode No. 2
15BD11†	12.6 B3-X2W9-0	2.8	---	---	P4	C 7000	Pent. Sect. Set "Power Adjust" to 112 Volts
15BD11	12.6 B3-6805-0	1.1	---	---	P4	C 3500	Triode No. 1
15BD11	12.6 B3-3407-0	2.0	---	---	P4	D 3000	Triode No. 2
15CW5	12.6 EV-2793-0	8.0	---	---	P4	C 6300	Set "Power Adjust" at 114V.
15EW7	12.6 EV-7608-0	6.4	---	---	P4	E 1100	Triode No. 1. Keep "Power Adjust" at 112V.
15EW7	12.6 EV-2109-0	17.5	---	---	P4	C 6300	Triode No. 2
15FM7†	12.6 B3-WX09-0	2.6	---	---	P4	E 600	Triode No. 1
15FM7	12.6 B3-8507-0	16.0	---	---	P4	C 4500	Triode No. 2
15FY7†	12.6 B3-WX09-0	2.8	---	---	P4	E 440	Triode No. 1. Set "Power Adjust" to 118 Volts
15FY7	12.6 B3-3507-0	30.0	---	---	P4	C 6700	Triode No. 2
15HA6	12.6 EV-2761-3	1.2	---	---	P4	C 7500	Set "Power Adjust" to 110V.
15HB6	12.6 EV-2781-9	1.0	---	---	P4	B 10000	Keep Power Adjusted at 112V.
15KY8†	20.0 EV-2673-0	3.6	---	---	P4	D 2500	Pent. Sect. Set "Power Adjust" at 75V. Use Adapter SA-4, 1050-144. Note 7
15KY8	20.0 EV-9801-0	0.2	---	---	P4	E 570	Triode Sect.
Model 539C:	No Adapter Required.						
15LE8	12.6 EV-9683-7	1.0	---	---	P4	E 750	Pent. No. 1. Set "Power Adjust" at 114V
15LE8	12.6 EV-9183-2	1.0	---	---	P4	E 750	Pent. No. 2
15MF8†	12.6 B3-7489-0	4.0	---	---	P4	C 3100	Pent. Sect. Set "Power Adjust" to 118V.
15MF8	12.6 B3-W20X-0	2.4	---	---	P4	D 3700	Triode Sect.
15MX8†	20.0 EV-2673-0	3.6	---	---	P4	D 2500	Pent. Sect. Set "Power Adjust" at 75V. Use Adapter SA-4, 1050-144. Note 7
15MX8	20.0 EV-9801-0	0.2	---	---	P4	E 750	Triode Sect.
Model 539C:	No Adapter Required.						
16AK9†	20.0 B3-8597-0	3.3	---	---	P4	D 3250	Pent. Sect. Set "Power Adjust" to 85V.
16AK9	20.0 B3-WX07-0	1.1	---	---	P4	D 2500	Triode No. 1
16AK9	20.0 B3-3207-0	3.2	---	---	P4	E 1300	Triode No. 2
16BQ11†	20.0 B3-W89X-7	0.6	---	---	P4	C 4400	Pent. No. 1
16BQ11	20.0 B3-5236-4	0.6	---	---	P4	C 5000	Set "Power Adjust" to 90V
16BX11†	20.0 B3-2X3W-0	0.6	---	---	P4	C 4300	Pent. Sect. Set "Power Adjust" to 80V.
16BX11	20.0 B3-8709-0	0.6	---	---	P4	C 3900	Triode No. 1
16BX11	20.0 B3-5604-0	0.7	---	---	P4	C 4300	Triode No. 2
16GK6	12.6 EV-2781-3	1.0	---	---	P4	C 6000	Set "Power Adjust" at 115 Volts
16GY5†	20.0 B3-90XW-0	10.0	---	---	P4	C 5100	Cap-P. Set "Power Adjust" at 80V.
16HB5†	20.0 B3-X72W-0	3.2	---	---	P4	C 4250	Set "Power Adjust" at 80V.
16JY6†	20.0 B3-X732-W	15.0	---	---	P4	C 4700	Set "Power Adjust" at 84V.
16KA6†	20.0 B3-503W-A	17.0	---	---	P4	C 4100	Cap-P. Keep "Power Adjust" at 84V.
16LU8†	20.0 B3-6489-0	10.0	---	---	P4	C 3500	Pent. Sect. Set "Power Adjust" to 84V.
16LU8	20.0 B3-W20X-0	3.6	---	---	P4	E 650	Triode Sect.
16MY8†	20.0 B3-6489-0	10.0	---	---	P4	C 3500	Pent. Sect. Set "Power Adjust" to 84V.
16MY8	10.0 B3-W20X-0	3.6	---	---	P4	E 650	Triode Sect.
16Y9†	20.0 FW-8W97-0	1.4	---	---	P4	C 6300	Pent. No. 1. Set "Power Adjust" at 90V. Use Adapter SA-11, 1050-177. Note 7
16Y9	20.0 FW-1432-0	0.5	---	---	P4	C 5300	Pent. No. 2. Set "Power Adjust" at 90V
17AB9†	20.0 FW-978W-0	1.5	---	---	P4	C 3500	Tetrode No. 1. Set "Power Adjust" at 85V. Use Adapter SA-11, 1050-177. Note 7
17AB9	20.0 FW-3124-0	1.5	---	---	P4	C 3500	Tetrode No. 2. Set "Power Adjust" at 85V.
17AB10†	20.0 B3-7468-5	0.0	---	---	P4	E 250	Limiter Grid. Plate Volts-Low Set "Cath. Act." Switch To Test Position
17AB10	20.0 B3-5468-7	0.8	---	---	P4	D 575	Quadrature Grid. Plate Volts-Low
17AB10	20.0 B3-X923-0	8.0	---	---	P4	C 3100	Pent. No. 2. Plate Volts-Normal
17AX3†	20.0 B3-0407-0	0.0	88	---	P3	G ★	Set "Power Adjust" to 80 Volts
17AX4	20.0 JX-0503-0	0.0	84	---	P3	G ★	Set Power Adjust at 80V.
17AY3†	20.0 EV-0209-0	0.0	84	---	P3	G ★	Set "Power Adjust" at 84V. Use Adapter SA-4, 1050-144. Note 7
Model 539C:	No Adapter Required.						
17BE3†	20.0 B3-0W07-0	0.0	91	---	P3	G ★	Set "Power Adjust" to 80 Volts
17BF11†	20.0 B3-8XW9-0	4.8	---	---	P4	C 3900	Pent. No. 1. Set "Power Adjust" to 80 Volts
17BF11	20.0 B3-3762-5	1.2	---	---	P4	E 375	Pent. No. 2
17BH3†	20.0 EV-0209-0	0.0	84	---	P3	G ★	Set "Power Adjust" at 84V. Use Adapter SA-4, 1050-144. Note 7
Model 539C:	No Adapter Required.						
17BQ6	20.0 HS-5048-0	18.0	---	---	P4	D 2500	Keep Power Adjusted at 80V. Cap-P.
17BS3†	20.0 EV-0209-0	0.0	80	---	P3	G ★	Set "Power Adjust" at 84V. Use Adapter SA-4, 1050-144. Note 7
Model 539C:	No Adapter Required.						
17BW3†	20.0 B3-0407-0	0.0	87	---	P3	G ★	Set "Power Adjust" at 84V
17BZ3†	20.0 B3-0W07-0	0.0	17	---	P1	G ★	Keep "Power Adjust" at 84V
17C5	20.0 ET-2761-0	1.5	---	---	C	3800	Keep "Power Adjust" at 86V
17C9†	20.0 EV-7986-0	1.2	---	---	P4	D 2500	Keep power adjusted at 80V. Hold down P1, Press P4.
17C9	20.0 EV-132W-0	1.2	---	---	P4	D 2500	Tetrode No. 1. Set Power Adjust to 80 Volts.
17CK3†	20.0 EV-0209-0	0.0	90	---	P3	G ★	Tetrode No. 2
Model 539C:	No Adapter Required.						
17CL3†	20.0 EV-0209-0	0.0	90	---	P3	G ★	Set "Power Adjust" at 90V. Use Adapter SA-4, 1050-144. Note 7
Model 539C:	No Adapter Required.						
17CT3	20.0 EV-0209-0	0.0	92	---	P3	G ★	Set "Power Adjust" at 90V. Use Adapter SA-4, 1050-144. Note 7
17CU5	20.0 ET-2761-0	7.6	---	---	P4	D 2700	Set "Power Adjust" at 88V.
17D4	20.0 HY-0503-0	0.0	86	---	P3	G ★	Keep power adjusted at 88V.
17DE4	20.0 HY-0503-0	0.0	87	---	P3	G ★	Keep power adjusted at 88V.
17DM4	20.0 HY-0503-0	0.0	87	---	P3	G ★	Keep power adjusted at 90V.
17DW4†	20.0 EV-0209-0	0.0	90	---	P3	G ★	Set "Power Adjust" at 90V. Use Adapter SA-4, 1050-144
Model 539C:	No Adapter Required.						
17DQ6	20.0 HS-5048-0	5.0	---	---	P4	C 2500	Cap-P. Keep power adjusted at 80 V.
17GE5†	20.0 B3-X72W-0	2.0	---	---	C	4700	Set "Power Adjust" at 88 Volts
17GJ5†	20.0 EV-6073-0	5.3	---	---	C	4400	Hold down P1 and Press P4
Model 539C:	No Adapter Required.						
Cap-P. Set "Power Adjust" at 80V.							

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
17GT5†	20.0	EV-6973-0	5.3	---	---	C	4400	19DE3†	20.0	B3-0004-0	0.0	90	P3	G	★
Model 539C: No Adapter Required.								19DK3	20.0	EV-0002-0	0.0	90	P3	G	★
17GV5†	20.0	B3-90XW-0	14.0	---	---	C	4600	19DQ3†	20.0	B3-0407-0	0.0	90	P3	G	★
17GW6	20.0	HS-5048-0	5.0	---	P4	C	2500	19EA8	20.0	EV-2637-0	1.1	---	P4	D	3100
17H3	20.0	EV-0301-0	0.0	82	P3	G	★	19EA8	20.0	EV-9108-0	0.8	---	P4	C	5250
17H-B25	20.0	EV-2079-8	12.0	---	P4	C	4100	19EZ8	20.0	EV-9800-0	1.2	---	P4	D	1950
17JB6†	20.0	EV-2013-8	5.3	---	---	C	4400	19EZ8	20.0	EV-7600-0	1.2	---	P4	D	1950
Model 539C: No Adapter Required.								19FX5	20.0	EV-2301-0	1.6	---	P4	D	2050
17JF6†	20.0	EV-2073-8	6.0	---	---	C	5900	19GQ7	20.0	ET-2761-0	3.0	---	P4	C	4900
Model 539C: No Adapter Required.								19GQ7	20.0	EV-0809-0	0.0	0	P1	G	★
17JG6A†	20.0	EV-2973-6	6.0	---	---	C	5900	19GQ7	20.0	EV-0607-0	0.0	0	P1	G	★
Model 539C: No Adapter Required.								19GQ7	20.0	EV-0201-0	0.0	0	P1	G	★
17JM6†	20.0	B3-5032-W	12.0	---	P4	C	4100	19HR6	20.0	ET-1567-2	1.4	---	P4	C	3200
17JN6†	20.0	B3-X732-4	12.0	---	P4	C	4100	19HS6	20.0	ET-1567-2	1.8	---	P4	C	3300
17JQ6	20.0	EV-7139-6	25.0	---	P4	C	4100	19HV8	20.0	EV-9678-0	0.9	---	P4	C	3500
17JQ6	20.0	EV-0609-0	0.0	0	P1	G	★	19HV8	20.0	EV-1203-0	1.4	---	P4	E	800
17JR6†	20.0	EV-2913-6	21.5	---	P4	D	2800	19JN8	20.0	EV-9678-0	1.0	---	P4	D	3200
Model 539C: No Adapter Required.								19JN8	20.0	EV-1203-0	1.8	---	P4	D	3800
17JT6†	20.0	EV-2973-6	22.0	---	P4	C	4100	19KG8	20.0	EV-9678-0	1.0	---	P4	C	3150
Model 539C: No Adapter Required.								19KG8	20.0	EV-2103-0	1.6	---	P4	C	4400
17JZ8†	20.0	B3-7489-0	7.4	---	P4	C	2750	19M-R9	20.0	ET-1567-2	1.8	---	P4	E	1100
17JZ8	20.0	B3-W20X-0	4.8	---	P4	E	725	19Q9†	20.0	EV-132W-6	1.4	---	P4	C	2850
17KV6†	20.0	EV-2913-6	23.0	---	P4	D	2850	19Q9	20.0	EV-8907-6	1.4	---	P4	C	4400
Model 539C: No Adapter Required.								19X8	20.0	EV-7986-1	1.2	---	P4	C	2900
17LD8†	20.0	EV-2673-0	7.5	---	P4	D	2500	19X8	20.0	EV-2306-1	2.0	---	P4	C	3650
17LD8	20.0	EV-9801-0	4.4	---	P4	E	800	20AQ3	20.0	EV-0009-0	0.0	89	P3	G	★
Model 539C: No Adapter Required.								20EW7	20.0	EV-7608-0	5.4	---	P4	E	1200
17X10†	20.0	B3-7468-5	0.0	---	P4	E	250	20EW7	20.0	EV-2109-0	17.0	---	P4	C	5000
17X10	20.0	B3-5468-7	0.8	---	P4	D	575	20EZ7	20.0	CR-8709-0	1.3	---	P4	D	875
17X10	20.0	B3-X923-0	8.0	---	P4	C	3100	20EZ7	20.0	CR-5604-0	1.3	---	P4	D	875
18A5	20.0	HS-1583-0	13.0	---	P4	D	3000	Tubes indicating shorts: Re-test using HS-5013-0							
18AJ10†	20.0	B3-8XW9-0	5.6	---	P4	D	2900	20LF6†	20.0	B3-5032-4	23.0	---	P4	C	5200
18AJ10	20.0	B3-3762-5	2.0	---	P4	F	300	21GY5†	20.0	B3-507W-0	17.0	---	P4	C	4800
18FW6	20.0	ET-1567-2	2.2	---	P4	D	1500	21HB5†	20.0	B3-X72W-0	3.2	---	P4	C	4250
18FX6	20.0	ET-1562-7	0.8	---	P4	E	600	21HD5†	20.0	B3-X79W-0	15.0	---	P4	C	4500
18FX6	20.0	ET-1602-7	2.6	---	P4	C	3600	21HJ5†	20.0	B3-X792-W	16.0	---	P4	C	4500
18FY6	20.0	ET-1702-0	1.4	---	P4	D	700	21JS6A†	20.0	B3-5032-4	25.0	---	P4	C	3150
18FY6	20.0	ET-0602-0	0.0	---	P1	D	5000	21JV6†	20.0	B3-X732-W	15.0	---	P4	C	4700
18FY6	20.0	ET-0502-0	0.0	---	P1	D	5000	21JZ6†	20.0	B3-5032-4	16.0	---	P4	C	4400
18GB5	20.0	EV-2078-9	16.0	---	P4	C	5000	21KA6†	20.0	B3-503W-4	17.0	---	P4	C	4100
18GD6A	20.0	ET-1567-2	1.8	---	P4	E	1100	21KQ6	20.0	EV-8039-2	7.0	---	P4	C	5700
19AQ5	20.0	ET-1562-0	2.1	---	P4	D	2600	21LQ6†	20.0	B3-50X4-0	20.0	---	P4	C	5650
19AU4	20.0	HY-0503-0	0.0	91	P3	G	★	21LR8†	20.0	EV-2673-0	10.0	---	P4	C	3500
19CG3†	20.0	B3-0407-0	0.0	90	P3	G	★	21LR8	20.0	EV-9801-0	3.6	---	P4	E	650
19CL8A	20.0	EV-9678-0	1.8	---	P4	D	2500	Model 539C: No Adapter Required.							
19CL8A	20.0	EV-1203-0	0.7	---	P4	C	5000	21LU8†	20.0	B3-6489-0	10.0	---	P4	C	3500
								21LU8	20.0	B3-W20X-0	3.6	---	P4	C	650
								21MY8†	20.0	B3-3024-0	10.0	---	P4	C	3500
								21MY8	20.0	B3-6489-0	3.6	---	P4	E	650
								22BH3†	20.0	EV-0209-0	0.0	87	P3	G	★
								Model 539C: No Adapter Required.							

Cap-P. Reverse Meter
Cap-P. Reverse Meter
Cap=P

Pent. Sect.
Triode Sect.
Triode No. 1
Triode No. 2
Triode No. 3

Diode No. 1
Diode No. 2
Diode No. 3

Pent. Sect.
Triode Sect.
Pent. Sect.
Triode Sect.
Pent. Sect.
Triode Sect.

Pent. Sect.
Triode Sect.
Pent. Sect.
Triode Sect.

Cap-P. Reverse Meter
Triode No. 1
Triode No. 2
Triode No. 1
Triode No. 2

Cap=P
Cap=P
Cap=P

Cap-P. Plate Volt=Low
Use Adapter SA-8, 1050-168
Cap=P
Pent. Sect. Use Adapter
SA-4, 1050-144, Note 7
Triode Sect.

Pent. Sect.
Triode Sect.
Pent. Sect.
Triode Sect.
Keep "Power Adjust" at 10V.
Adapter SA-4, 1050-144, Note 7

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{33HE7†	35.0	B3-95X8-0	15.0	---	P4	C	4700	{33HE7†	50.0	B3-95X8-0	15.0	---	P4	C	4700
{33HE7	35.0	B3-0204-0	0.0	89	P3	G	★	{58HE7	50.0	B3-0204-0	0.0	89	P3	G	★
{33JR6†	35.0	EV-2913-6	21.5	---	P4	D	2800	60FX5	50.0	ET-2761-0	3.0	---	P4	C	4900
{Model 539C: No Adapter Required.								60HL5	50.0	EV-2793-0	6.4	---	P4	B	7600
33JV6†	35.0	B3-X732-W	15.0	---	P4	C	4700	KT66	6.3	HS-5348-1	3.0	---	P4	C	3150
34CD3†	35.0	B3-0W07-0	0.0	90	P3	G	★	{80	5.0	ER-0300-0	0.0	80	P3	G	★
34CE3†	35.0	B3-0407-0	0.0	91	P3	G	★	{80	5.0	ER-0300-0	0.0	75	P3	G	★
{34CM3†	35.0	EV-0279-0	0.0	91	P3	G	★	{83	5.0	ER-0300-0	0.0	92	P3	G	★
{Model 539C: No Adapter Required.								{83	5.0	ER-0200-0	0.0	92	P3	G	★
34DK3	35.0	EV-0002-0	0.0	90	P3	G	★	85A1	See Top of Chart						
34GD5	35.0	ET-2761-0	9.8	---	P4	D	2950	85A2	See Top of Chart						
35B5	35.0	ET-1562-0	1.5	---	---	C	3650	KT88	6.3	HS-5348-1	1.4	---	P4	C	6250
35CE5	35.0	ET-2761-0	1.5	---	---	C	3650	90C1	Off AP-0507-0			---	P4	H	90v
35EH5	35.0	ET-2761-0	3.0	---	P4	C	4500	150B2	Off AP-0102-0			---	P4	H	150v
35GL6	35.0	ET-2751-0	9.0	---	P4	C	3800	866A	3.0	ER-0000-0	0.0	91	P3	G	★
{35HB8	35.0	EV-9768-0	6.0	---	P4	D	2700	874	Off AP-0301-0			---	P4	H	90v
{35HB8	35.0	EV-1302-0	1.4	---	P4	D	2300	884	6.3	HS-5308-0	#	89	P5	G	★
35L6	35.0	HS-5348-0	1.5	---	---	C	3650	885	2.5	FR-3204-0	#	89	P5	G	★
35LR6†	35.0	B3-5032-4	25.0	---	P4	C	4250	{1217	6.3	ET-7562-1	1.8	---	P4	D	440
{35W4	35.0	ET-0507-0	0.0	91	P3	G	★	{1217	6.3	ET-1562-7	1.0	---	P4	D	700
{35Z5	35.0	HS-0538-0	0.0	---	---	C	---	1218A	6.3	ET-6705-0	0.8	---	P4	C	7250
{35Z5	35.0	HS-0508-0	0.0	---	---	C	---	1222	6.3	GR-4237-8	3.0	---	P4	C	3300
36AM3	35.0	ET-0507-0	0.0	88	P3	G	★	2050	6.3	HS-5308-6	#	89	P5	G	★
36KD6†	35.0	B3-5032-4	20.0	---	P4	C	7500	2051	6.3	HS-5308-6	#	89	P5	G	★
36LW6	35.0	HY-5032-0	20.0	---	P4	C	7500	4604	6.3	CX-5030-0	10.0	---	P4	D	3000
{36MC6†	35.0	EV-2073-8	20.0	---	P4	C	7500	{5636	6.3	DW-1572-4	0.0	---	P4	D	1070
{Model 539C: No Adapter Required.								{5636	6.3	DW-4578-1	0.0	---	P4	D	630
{38HE7†	50.0	B3-95X8-0	12.0	---	P4	C	4700	5642	1.1	BS-0000-0	0.0	---	P3	B	★
{38HE7	50.0	B3-0204-0	0.0	88	P3	G	★	5643	6.3	DW-7105-2	#	89	P5	G	★
{38HK7†	35.0	B3-95X8-0	16.0	---	P1	C	4100	5644	Off AP-0102-0			---	P4	H	95v
{38HK7	35.0	B3-0204-0	0.0	21	P4	C	2300	5651	Off AP-0107-0			---	P4	H	87v
40FR5	35.0	ET-2761-0	11.0	---	P4	D	2300	5654	6.3	ET-1562-0	1.8	---	P4	C	3150
40KD6†	35.0	B3-5032-4	20.0	---	P4	C	7500	{5670	6.3	KR-7608-0	2.0	---	P4	C	3150
42EC4	50.0	EV-0007-0	0.0	90	P3	G	★	5672	1.1	DV-4120-0	4.0	---	P4	D	410
42KN6†	50.0	B3-5032-4	32.0	---	P4	C	4400	5675	6.3	HS-3506-0	1.6	---	P4	C	4000
{50BM8	50.0	EV-3672-0	7.4	---	P4	D	2700	5676	1.1	ES-3100-0	6.0	---	P4	D	1000
{50BM8	50.0	EV-1908-0	0.6	---	P4	E	1350	5677	1.1	ES-3100-0	9.0	---	P4	D	410
50C5	50.0	ET-2761-0	1.5	---	P3	C	5650	5678	1.1	DV-4120-0	0.0	---	P4	D	690
50DC4	50.0	ET-0507-0	0.0	89	P3	C	★	5686	6.3	EV-2763-0	2.0	---	P4	D	1950
50EH5	50.0	ET-2761-0	1.2	---	P4	C	6300	{5687	12.6	EV-7906-1	5.0	---	P4	C	4800
50FE5	50.0	HS-5348-0	10.0	---	P4	C	4700	{5687	12.6	EV-2103-9	5.0	---	P4	C	4800
50FK5	50.0	ET-2761-0	5.2	---	P4	D	3000	5696	6.3	ET-1602-5	#	90	P5	G	★
{50GY7†	50.0	B3-W5X8-0	5.2	---	---	C	4550	5702	6.3	DU-7126-5	1.8	---	P4	C	3150
{50GY7	50.0	B3-0204-0	0.0	90	P3	G	★	5703	6.3	DU-5106-0	3.2	---	P4	C	3150
50HC6	50.0	ET-2751-0	1.2	---	P4	C	6300	5704	6.3	CT-0104-0	0.0	0	P1	G	★
50HK6	50.0	ET-2751-0	1.5	---	---	C	5650								
50HN5	50.0	EV-2793-0	3.0	---	P4	C	6000								
{53HK7†	50.0	B3-95X8-0	16.0	---	P4	C	4100								
{53HK7	50.0	B3-0204-0	0.0	21	P1	G	★								

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
5718	6.3 DW-1805-7	0.6	C	---	P4	3460	Plate Volts=Low	5930	2.5	ER-3200-0	24.0	---	P4	D	1900
5719	6.3 DW-1805-7	0.6	D	---	P4	1700		{5931	5.0	JS-0600-0	0.0	87	P3	G	★
5725	6.3 ET-1562-7	1.8	D	---	P4	1400		{5931	5.0	JS-0400-0	0.0	84	P3	G	★
{5726	6.3 ET-0701-6	0.0	G	0	P1	★	Diode No. 1	5932	6.3	HS-5348-1	3.0	---	P4	C	3300
{5726	6.3 ET-0203-6	0.0	G	0	P1	★	Diode No. 2	5933	6.3	FR-3024-0	6.0	---	P4	D	2400
5727	6.3 ET-1802-5	*	G	89	P5	★	Strikes at about 1.8 V.	{5963	12.6	EV-7608-0	3.2	---	P4	D	1950
5744	6.3 CT-4105-0	0.6	C	---	P4	2500		{5963	12.6	EV-2103-0	3.2	---	P4	D	1950
5749	6.3 ET-1567-2	1.0	D	---	P4	2070		{5964	6.3	ET-5207-6	1.8	---	P4	C	3800
{5750	6.3 ET-7562-1	0.0	D	---	P4	940	Ampl. Sect. Held down P1 and Press P4	{5964	6.3	ET-6107-5	1.8	---	P4	C	3800
{5750	6.3 ET-1602-7	2.0	C	---	P4	4500	Osc. Sect.	{5965	12.6	EV-7608-1	1.8	---	P4	C	4100
{5751	12.6 EV-7608-0	1.3	D	---	P4	875	Triode No. 1	{5965	12.6	EV-2103-6	1.8	---	P4	C	4100
{5751	12.6 EV-2103-0	1.3	D	---	P4	875	Triode No. 2	5971	1.1	FT-2100-0	3.0	---	P4	D	1260
{5755	12.6 EV-6307-3	0.0	D	---	P4	975	Triode No. 1	5975	6.3	DW-3102-0	5.0	---	P4	D	2500
{5755	12.6 EV-3102-6	0.0	D	---	P4	975	Triode No. 2	5977	6.3	DW-1805-3	1.0	---	P4	C	2840
5763	6.3 EV-9167-3	0.0	C	---	P4	4400		5987	6.3	DW-1205-0	8.8	---	P4	D	1160
5783	Off AP-0305-0	---	H	---	P4	87v	(Starts at about 115V Regulation=3 Volts From 1.5 to 3.5 MA	{5993	6.3	DX-0905-1	0.0	85	P3	G	★
5784	6.3 DU-7126-5	3.3	D	---	P4	1150		{5993	6.3	DX-0105-9	0.0	85	P3	G	★
5787	Off AP-0305-0	---	H	---	P4	100v	(Starts at about 120 V Regulation=3 Volts From 5 to 30 MA	5995	6.3	ET-0105-0	0.0	82	P3	G	★
{5814	12.6 EV-7608-0	3.2	D	---	P4	1950	Triode No. 1	{5998	6.3	HY-4506-2	21.0	---	P4	C	5000
{5814	12.6 EV-2103-0	3.2	D	---	P4	1950	Triode No. 2	{5998	6.3	HY-1203-5	21.0	---	P4	C	5000
{5829	6.3 DV-0607-0	0.0	G	0	P1	★	Diode No. 1	6005	6.3	ET-1562-0	2.1	---	P4	D	2600
{5829	6.3 DV-0102-0	0.0	G	0	P1	★	Diode No. 2	6012	6.3	HS-3501-8	*	89	P5	G	★
5840	6.3 DW-1574-0	2.0	C	---	P4	2500		{6021	6.3	DW-7805-0	2.1	---	P4	C	3000
5842	6.3 DZ-5105-0	1.2	B	---	P4	15000		{6021	6.3	DW-2104-0	2.1	---	P4	C	3000
{5844	6.3 ET-5207-0	3.5	D	---	P4	2150	Triode No. 1	6028	20.0	ET-1562-0	1.8	---	P4	C	3150
{5844	6.3 ET-6107-0	3.5	D	---	P4	2150	Triode No. 2	6046	25.0	HS-5348-1	1.5	---	P4	C	5650
5847	6.3 DZ-1684-0	1.7	B	---	P4	7800		6050	1.1	ES-3100-0	6.0	---	P4	D	1000
{5852	6.3 HS-0508-0	0.0	G	85	P3	★	Plate No. 1	6051	1.1	DV-4120-0	8.0	---	P4	E	350
{5852	6.3 HS-0308-0	0.0	G	85	P3	★	Plate No. 2	{6052	6.3	DW-0507-4	0.0	89	P3	G	★
5876	6.3 HS-3506-0	0.5	C	---	P4	3750	Use Hickok Adapter SA-9 Code No. 1050-121	{6052	6.3	DW-0102-4	0.0	89	P3	G	★
5881	6.3 HS-5348-1	3.0	C	---	P4	3300	Use Hickok Adapter SA-9 Code No. 1050-121	{6053	25.0	DW-0507-4	0.0	89	P3	G	★
5893	6.3 HS-3506-0	1.4	C	---	P4	3800		6055	25.0	DW-0102-4	0.0	89	P3	G	★
{5896	6.3 DW-0507-4	0.0	C	89	P3	★	Plate No. 1	6056	25.0	DW-1805-0	2.0	---	P4	C	3150
{5896	6.3 DW-0102-4	0.0	C	89	P3	★	Plate No. 2	6056	25.0	DW-1572-0	1.5	---	P4	C	1900
5897	6.3 DW-1805-0	0.0	C	---	P4	3660	Plate Volts=Low	{6058	6.3	ET-0701-6	0.0	0	P1	G	★
5899	6.3 DW-1574-0	1.6	D	---	P4	1900		{6058	6.3	ET-0205-6	0.0	0	P1	G	★
5900	6.3 DW-1574-0	1.6	D	---	P4	1900		{6072	12.6	EV-7608-0	2.0	---	P4	D	1100
5902	6.3 DW-1572-0	11.0	D	---	P4	2650		{6072	12.6	EV-2103-0	2.0	---	P4	D	1100
{5903	25.0 DW-0507-4	0.0	C	89	P3	★	Plate No. 1	6073	Off	AP-0502-0	---	---	P4	H	150v
{5903	25.0 DW-0102-4	0.0	C	89	P3	★	Plate No. 2	6074	Off	AP-0502-0	---	---	P4	H	108v
5904	25.0 DW-1805-0	2.0	C	---	P4	3150	Plate Volts=Low Hold down P1 and press P4	{6080	6.3	HY-0506-4	0.0	83	P3	G	★
5905	25.0 DW-1572-0	1.8	D	---	P4	1640		{6080	6.3	HY-0203-1	0.0	83	P3	G	★
5906	25.0 DW-1572-0	0.6	C	---	P4	3150		{6082	25.0	HY-0506-4	0.0	83	P3	G	★
5907	25.0 DW-1572-0	1.5	D	---	P4	1900	Plate Volts=Low	{6082	25.0	HY-0203-1	0.0	83	P3	G	★
5908	25.0 DW-1572-4	2.0	D	---	P4	1100	Plate Volts=Low Grid No. 1	6084	6.3	EV-9613-8	2.8	---	P4	D	1160
{5915A	6.3 ET-1562-7	1.0	D	---	P4	700	Plate Volts=Low Grid No. 2	{6085	12.6	EV-7608-0	2.3	---	P4	D	1700
{5915A	6.3 ET-7562-1	1.8	D	---	P4	440	Plate Volts=Low Grid No. 1	{6085	12.6	EV-2103-0	2.3	---	P4	D	1700
5916	25.0 DW-1572-4	1.4	D	---	P4	1000	Plate Volts=Low Grid No. 2	6086	20.0	EV-2613-9	1.6	---	P4	C	5650
5916	25.0 DW-4572-1	2.2	D	---	P4	470	Plate Volts=Low	6096	6.3	ET-1562-0	1.8	---	P4	C	3150

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT PRESS	MIN. MUT. COND.	NOTATIONS
{6097	6.3 ET-0701-6		0.0	P1	G	Diode No. 1	6354	Off AP-0102-0	---	P4	H	150v	{Starts under 180V. Regulation=5Vols From 5 to 15MA.
{6097	6.3 ET-0205-6		0.0	P1	G	Diode No. 2	6384	6.3 GY-7351-0	4.0	P4	C	3400	Triode No. 1
6098	6.3 GY-7351-0		4.0	P4	C	3400	{6386	6.3 KR-7608-5	0.7	P4	D	2500	Plate No. 1
{6110	6.3 DW-0507-4		0.0	P1	E	Diode No. 1	{6386	6.3 KR-3402-5	0.7	P4	D	2500	Triode No. 2
{6110	6.3 DW-0102-4		0.0	P1	E	Diode No. 2	6397	2.5 HR-8360-0	5.5	P4	E	1200	Plate No. 1
{6111	6.3 DW-7805-0		4.0	P4	C	3150	{6414	12.6 EV-7608-0	0.0	P4	C	3000	Triode No. 1
{6111	6.3 DW-2104-0		4.0	P4	C	3150	{6414	12.6 EV-2103-0	0.0	P4	C	3000	Triode No. 2
{6112	6.3 DW-7805-0		1.8	P4	D	1575	6417	12.6 EV-9167-3	0.0	P4	C	4000	
{6112	6.3 DW-2104-0		1.8	P4	D	1575	6418	1.4 DV-0204-1	0.0	P1	F	★	OK above 230 on 600 scale Make no gas test
6134	6.3 HS-4865-3		1.0	P4	C	5650	{6463	12.6 EV-8607-1	4.3	P4	C	3300	Triode No. 1
6135	6.3 ET-6107-0		4.8	P4	E	1380	{6463	12.6 EV-3102-6	4.3	P4	C	3300	Triode No. 2
6136	6.3 ET-1567-2		1.0	P4	C	2500	6485	6.3 ET-1567-2	1.0	P4	C	5650	
6137	6.3 HS-4865-3		2.0	P4	D	1260	6519	1.4 DV-4120-0	3.2	P4	F	300	Set Cath. Act. Switch to Test P For Make no gas test
6146	6.3 HS-5031-8		10.5	P4	C	4400	{6520	6.3 HY-0506-4	0.0	P3	G	★	Triode No. 1
6148	6.3 DU-7126-5		1.8	P4	C	3150	{6520	6.3 HY-0203-1	0.0	P3	G	★	Triode No. 2
6152	6.3 EV-3102-0		5.0	P4	D	2500	6526	1.1 DV-4120-0	2.2	P4	E	800	Make no gas test
6159	25.0 HS-5031-8		10.5	P4	C	4400	6533	6.3 GX-2105-0	3.0	P4	E	600	Triode No. 1
6186	6.3 ET-1562-0		1.7	P4	D	2500	6540	6.3 DU-7126-5	1.8	P4	C	3150	Triode No. 2
{6189	12.6 EV-7608-0		3.2	P4	D	1950	6542	Off AP-0305-0	---	P4	H	150v	Leads=1, 3, 5, Outside Leads-K Starts At About 185 V Regulation=6 Volts From 5 to 25 MA.
{6189	12.6 EV-2103-0		3.2	P4	D	1950	6611	1.4 DV-0204-1	0.0	P1	D	★	OK above 100 on 6000 scale Make no gas test
6197	6.3 EV-2631-7		1.7	P4	C	5000	6612	1.4 DV-0204-1	0.0	P1	D	★	Make no gas test
{6201	12.6 EV-7608-0		1.6	P4	D	2500	6626	Off AP-0502-0	---	P4	H	150v	Regulation=2 Volts Starts at about 115 V From 5 to 30 MA
{6201	12.6 EV-2103-0		1.6	P4	D	2500	6627	Off AP-0502-0	---	P4	H	108v	Regulation=1.5 Volts From 5 to 30 MA
6202	6.3 ET-0607-1		0.0	P3	G	★	6659	AP-0105-0	0.0	P2	G	★	Diode No. 1
6202	6.3 ET-0107-6		0.0	P3	G	★	6660	6.3 ET-1567-2	1.0	P4	D	2070	Diode No. 2
6203	6.3 EV-0907-1		0.0	P3	G	★	6661	6.3 ET-1562-7	0.8	P4	C	2150	
{6203	6.3 EV-0107-9		0.0	P3	G	★	6662	6.3 ET-1562-7	0.8	P4	C	2400	
6205	6.3 DW-1572-4		2.0	P4	C	2500	{6663	6.3 ET-0701-6	0.0	P1	G	★	
6206	6.3 DW-1572-4		1.6	P4	D	1900	{6663	6.3 ET-0205-6	0.0	P1	G	★	
{6211	12.6 EV-7608-2		3.8	P4	D	2270	6664	6.3 ET-6107-0	1.6	P4	D	2500	Pent. Sect.
{6211	12.6 EV-2103-7		3.8	P4	D	2270	6669	6.3 ET-1562-0	2.1	P4	D	2600	Triode Sect.
6213	Off AP-0305-0		---	P4	H	130v	6676	6.3 ET-1562-7	1.0	P4	C	3900	Triode No. 1
6216	6.3 EV-2173-0		0.0	P4	C	6300	6677	6.3 EV-2631-7	1.7	P4	C	5000	Triode No. 2
6221	6.3 DW-1805-0		0.2	P4	C	3500	{6678	6.3 EV-2637-0	0.8	P4	D	2400	Triode No. 1
6222	6.3 DW-1805-0		1.8	P4	E	500	6679	6.3 EV-9108-0	1.0	P4	C	5350	Triode No. 2
6223	6.3 DW-1578-0		0.0	P4	E	1300	{6679	12.6 EV-7608-0	1.6	P4	D	2500	Triode No. 1
6245	6.3 DU-7126-5		1.8	P4	C	3150	6679	12.6 EV-2103-0	1.6	P4	D	2500	Triode No. 2
6247	6.3 DW-2805-0		0.6	P4	D	1675	{6680	12.6 EV-7608-0	3.2	P4	D	1950	Triode No. 1
6263	6.3 HS-3506-0		1.2	P4	C	4500	{6680	12.6 EV-2103-0	3.2	P4	D	1950	Triode No. 2
6264	6.3 HS-3506-0		0.8	P4	C	4250	{6681	12.6 EV-7608-0	1.3	P4	D	875	Triode No. 1
6265	6.3 ET-1562-7		0.8	P4	C	2150	6688	12.6 EV-2103-0	1.3	P4	D	875	Triode No. 2
6225	6.3 DW-1572-0		2.6	P4	D	2100	{6688	6.3 EV-2791-8	0.4	P4	C	7000	Triode No. 1
6296	1.4 ES-3100-0		2.0	P4	D	1250	6690	6.3 DW-7508-0	1.5	P4	C	3000	Triode No. 2
6293	6.3 HS-5031-0		0.5	---	C	4600	{6754	6.3 EV-0907-0	0.0	P3	G	★	Plate No. 1
6303	Off AP-0301-0		---	P4	H	87v	{6754	6.3 EV-0103-0	0.0	P3	G	★	Plate No. 2
6332	Off AP-0102-0		---	P4	H	63v	6788	6.3 DW-1572-0	2.0	P4	E	570	
{6350	12.6 EV-8607-3		4.5	P4	C	2900							
{6350	12.6 EV-3102-8		4.5	P4	C	2900							

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT PRESS	MIN. MUT. COND.	NOTATIONS	TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT PRESS	MIN. MUT. COND.	NOTATIONS
6814	6.3DW-1805-0	3.2		---	C	3470	{7199	6.3 EV-7236-0	0.6		---	C	3800
{6829	12.6 EV-7608-0	1.8		---	C	4200	{7199	6.3 EV-9108-0	5.2		---	E	1300
{6829	12.6 EV-2103-0	1.8		---	C	4200	7212	6.3 HS-5031-8	10.5		---	C	4400
{6832	6.3DW-7805-0	5.0		---	C	650	7233	6.3 EV-2908-0	5.6		---	B	11000
{6832	6.3DW-2104-0	5.0		---	E	650	{7236	6.3 HY-0506-4	0.0	83	---	G	★
6872	6.3 DU-7126-5	1.7		---	E	1300	{7236	6.3 HY-0203-1	0.0	83	---	G	★
6883	12.6 HS-5031-8	10.5		---	E	4400	7239	6.3 EV-1069-7	6.0		---	D	1600
{6887	6.3 ET-0701-0	0.0		0	P1		{7247	12.6 EV-7608-0	1.3		---	D	875
{6887	6.3 ET-0205-0	0.0		0	P1		{7247	12.6 EV-2103-0	4.8		---	E	1380
6889	6.3 GY-7051-0	4.0		---	C	3400	{7258	12.6 EV-8679-1	0.5		---	C	4250
{6900	12.6 EV-7906-1	5.0		---	C	4800	{7258	12.6 EV-2173-6	3.2		---	D	2800
{6900	12.6 EV-2103-9	5.0		---	C	4800	{7308	6.3 EV-7608-0	2.6		---	C	7000
{6919	6.3 ET-0701-6	0.0		0	P1		{7308	6.3 EV-2103-0	2.6		---	C	7000
{6919	6.3 ET-0205-6	0.0		0	P1		{7316	12.6 EV-7608-0	3.2		---	D	1950
{6922	6.3 EV-7608-0	2.6		---	C	7000	{7316	12.6 EV-2103-0	3.2		---	D	1950
{6922	6.3 EV-2103-0	2.6		---	C	7000	7355	6.3 HS-6385-0	2.6		---	C	4800
6928	6.3 ET-1562-0	2.1		---	D	2600	7357	25.0 HS-5031-8	10.5		---	C	4400
6943	6.3DW-1572-4	2.6		---	E	1400	7358	6.3 HS-5031-8	10.5		---	C	4400
6944	6.3DW-1572-4	1.8		---	E	1400	7360	6.3 EV-3621-9	1.0		---	E	1250
6945	6.3DW-1572-0	12.0		---	D	2100	{7370	20.0 FY-7906-0	5.0		---	C	4800
6946	6.3DW-1805-0	5.2		---	D	2400	{7370	20.0 JU-2103-0	5.0		---	C	4800
{6947	6.3DW-7805-0	1.8		---	D	2500	7408	6.3 HS-5348-1	3.3		---	D	2600
{6947	6.3DW-2104-0	1.8		---	D	2500	7543	6.3 ET-1567-2	1.0		---	C	2500
{6948	6.3DW-7805-0	1.4		---	D	1650	7551	12.6 EV-2631-7	5.0		---	C	3500
{6948	6.3DW-2104-0	1.4		---	D	1650	7558	6.3 EV-2631-7	5.0		---	C	3500
6973	6.3 EV-3917-0	2.2		---	D	3000	7581	6.3 HS-5348-0	3.0		---	C	3600
{7025	12.6 EV-7608-0	1.3		---	D	875	{7586†	6.3 DR-4208-0	0.8		---	C	7800
{7025	12.6 EV-2103-0	1.3		---	D	875	{Model 539C:				---	C	4100
7027	6.3 HS-5318-0	3.0		---	P4		{7586	6.3 13-4208-0	0.8		---	C	7800
{7036	6.3 ET-1562-7	1.0		---	P4		{7587†	6.3 DR-4028-0	1.0		---	C	4100
{7036	6.3 ET-7562-1	1.8		---	P4		{Model 539C:				---	C	4100
7044	12.6 EV-7906-0	2.8		---	C	6300	{7587	6.3 13-4028-0	1.0		---	C	4100
7044	12.6 EV-2103-0	2.8		---	C	6300	7591	6.3 HS-6345-0	0.5		---	C	5600
7054	12.6 EV-2781-3	1.6		---	C	5650	7683	6.3 EV-1382-0	0.5		---	E	1250
{7055	12.6 ET-0701-6	0.0		0	P1		{7687	6.3 EV-2637-0	1.0		---	D	2800
{7055	12.6 ET-0205-6	0.0		0	P1		{7687	6.3 EV-9108-0	5.0		---	D	1900
7056	12.6 ET-1562-7	1.0		---	C	3900	7695	50.0 EV-6917-0	8.0		---	C	6000
{7057	12.6 EV-7608-9	2.2		---	C	4300	7701	12.6 EV-2691-0	1.2		---	D	2100
{7057	12.6 EV-2103-9	2.2		---	C	4300	{7716	12.6 EV-7986-0	2.0		---	C	4000
{7058	12.6 EV-7608-0	1.3		---	D	875	{7716	12.6 EV-2301-0	1.0		---	D	1800
{7058	12.6 EV-2103-0	1.3		---	D	875	7717	6.3 ET-1562-0	1.0		---	C	2800
{7059	12.6 EV-2637-0	0.8		---	D	2400	7719	12.6 EV-2103-0	5.0		---	D	1900
{7059	12.6 EV-9108-0	1.0		---	C	3550	{7724	12.6 EV-8907-0	0.5		---	E	500
{7060	12.6 EV-8679-0	1.3		---	C	3500	{7724	12.6 EV-0601-0	0.0	0	---	P1	★
{7060	12.6 EV-2103-0	1.2		---	D	3100	{7724	12.6 EV-0203-0	0.0	0	---	P1	★
7061	12.6 EV-3917-0	2.2		---	D	2600	{7728	12.6 EV-7608-0	1.6		---	D	2500
{7119	12.6 EV-7906-0	2.6		---	B	9850	{7728	12.6 EV-2103-0	1.6		---	D	2500
{7119	12.6 EV-2103-0	2.6		---	B	9850	{7729	12.6 EV-7608-0	1.3		---	D	875
7137	6.3 ET-6702-0	2.0		---	P4	7000	{7729	12.6 EV-2103-0	1.3		---	D	875
7167	12.6 ET-1562-0	1.0		---	P4	2250	{7730	12.6 EV-7608-0	3.2		---	D	1950
7189	6.3 EV-2793-0	0.0		---	C	4500	{7730	12.6 EV-2103-0	3.2		---	D	1950

TUBE TYPE	FIL	SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
{7731	6.3 EV-2637-0	0.8	0.8	---	P4	2400	Pent. Sect.
{7731	6.3 EV-9108-0	1.0	1.0	---	P4	5350	Triode Sect.
7732	6.3 ET-1562-7	1.0	1.0	---	P4	3900	
7733	12.6 EV-2781-3	1.0	1.0	---	P4	5700	
{7734	6.3 EV-8917-0	1.4	1.4	---	P4	1700	Pent. Sect.
{7734	6.3 EV-3502-0	20.0	20.0	---	P4	3900	Triode Sect.
7737	6.3 EV-2791-8	0.4	0.4	---	P4	7000	
7738	6.3 ET-2105-0	0.7	0.7	---	P4	5650	
7754	6.3 EV-6917-0	8.0	8.0	---	P4	6000	
7757	6.3 DV-6078-0	2.1	2.1	---	P4	2600	Cap=P
{7759	25.0 DW-7805-0	2.1	2.1	---	P4	3000	Triode No. 1
{7759	25.0 DW-2104-0	2.1	2.1	---	P4	3000	Triode No. 2
{7760	25.0 DW-7805-0	2.0	2.0	---	P4	3150	Triode No. 1
{7760	25.0 DW-2104-0	2.0	2.0	---	P4	3150	Triode No. 2
7761	25.0 DW-1572-0	3.0	3.0	---	P4	3800	Plate Volts=Low
7762	25.0 DW-1572-0	11.0	11.0	---	P4	2650	Plate Volts=Low
{7802	6.3 HY-4506-2	12.0	12.0	---	P4	6250	Triode No. 1
{7802	6.3 HY-1203-5	12.0	12.0	---	P4	6250	Triode No. 2
{7803	6.3 EV-7608-0	3.0	3.0	---	P4	7750	Triode No. 1
{7803	6.3 EV-2103-0	3.0	3.0	---	P4	7750	Triode No. 2
{7861	12.6 KR-7608-0	2.0	2.0	---	P4	3150	Triode No. 1
{7861	12.6 KR-3402-0	2.0	2.0	---	P4	3150	Triode No. 2
7867	6.3 HS-5083-0	4.0	4.0	---	---	6300	Cap=P, Hold Down Pl and Press
{7868†	6.3 EV-2973-0	2.0	2.0	---	P4	4750	Use Adapter SA-4, 1050-127, Note 7
{Model 539C:	6.3 EV-2973-0	2.0	2.0	---	---	---	
{7889	25.0 DW-7805-0	1.8	1.8	---	P4	1575	Triode No. 1
{7889	25.0 DW-2104-0	1.8	1.8	---	P4	1575	Triode No. 2
{7895†	6.3 DR-4208-0	1.8	1.8	---	P4	5000	Use Adapter SA-3, 1050-127, Note 7
{Model 539C:	6.3 DR-4208-0	1.8	1.8	---	---	---	
{7895	6.3 13-4208-0	1.8	1.8	---	P4	5000	Triode No. 1
{7898	12.6 EV-7508-0	0.6	0.6	---	P4	4400	Triode No. 2
{7898	12.6 EV-2103-0	0.6	0.6	---	P4	4400	
7905	6.3 KR-2680-7	1.5	1.5	---	P4	4100	
7984†	12.6 B2-W3X9-0	13.0	13.0	---	P4	4500	
7995	6.3 ER-3782-6	0.8	0.8	---	P4	6300	
8032	12.6 HS-5031-8	10.5	10.5	---	P4	4400	
{8056†	6.3 DR-0208-4	0.0	0.0	---	P1	E	Cap=P
{Model 539C:	6.3 DR-0208-4	0.0	0.0	---	---	---	OK Above 550 on 3003 Scale
{8056	6.3 13-0208-4	0.0	0.0	---	P1	E	Make No Gas Test, Use Adapter SA-3, 1050-127, Note 7
{8056†	6.3 DR-0002-0	1.0	1.0	---	P4	6500	OK Above 950 on 3006 Scale
{Model 539C:	6.3 DR-0002-0	1.0	1.0	---	---	---	Make No Gas Test, Use Adapter SA-3, 1050-127, Note 7
{8058	6.3 13-0002-0	1.0	1.0	---	P4	6500	Cap=P, G-Small
8064	25.0 DW-1578-0	2.0	2.0	---	P4	1750	
8068	6.3 HS-5083-0	2.0	2.0	---	P4	3600	Cap=P
8077	12.6 EV-2781-3	1.6	1.6	---	P4	5650	
8084	12.6 DU-1562-7	1.6	1.6	---	P4	4400	
8096	6.3 CX-2105-0	3.0	3.0	---	P4	600	
{8102	12.6 EV-9678-0	1.7	1.7	---	P4	2500	Pent. Sect.
{8102	12.6 EV-3102-0	1.3	1.3	---	P4	5300	Triode Sect.
8106	12.6 EV-7189-0	2.2	2.2	---	P4	3250	
8113	6.3 ET-1567-0	2.8	2.8	---	P4	2600	

OBSOLETE TUBE TYPES
SUPPLEMENTARY TEST DATA

NOTATIONS

- NOTE 1: The letter that appears in the RANGE column indicates the setting of the FUNCTION SWITCH.
- NOTE 2: (symbol "# " on Roll Chart) Set BIAS VOLTS at 40, press and hold down button indicated in the PRESS column while rotating BIAS VOLTS control until tube strikes. The striking voltages indicated are nominal values and reference to hand-book "Critical Grid Characteristics" of Thyatron tubes reveals appreciable variations from these values.
- NOTE 3: (symbol "★ " on Roll Chart) Make emission tests only. Good tubes will read above index mark "RECTIFIERS & DIODES OK" on METER.
- NOTE 4: Mutual Conductance Values are minimum. Discard tubes which read lower.
- NOTE 5: Readjust BIAS VOLTS after button P4 is pressed, then read Gm.
- NOTE 6: (symbol "↓" on Roll Chart) A short indication on position "A" of the SHORTS switch is normal.
- NOTE 7: For TUBE TESTER Models 539B and 539C, the Universal Adapter CA-5, 1050-164, is available. This Adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvistors, and the new 10-pin tubes, including Decals. Test data for these tubes is supplied in supplementary form with the Adapter. See inside back cover for description of all adapters.
- NOTE 8: "Cut off" tube section NOT being tested by means of a 30 to 35 volt battery (Eveready 413, or equal). Polarity and connections are indicated in the NOTATIONS column: e. g., NOTE 8: 7-, 2+, indicates connect negative lead to pin 7 and positive lead to pin 2 of any convenient socket on the tester.
- CAUTION: Disconnect battery between any change of SELECTORS.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
0A4	OFF	AP-0572-0	40.0	65	P5	G	----	NOTE 3.
0Y4	BLST	HY-3501-0	0.0	90	P2	G	----	SHORT ON 5. NOTE 3.
1A4	2.0	ER-0230-0	2.5	--	--	E	470	CAP = G. HOLD DOWN P1 & PRESS P4.
1A5	1.4	HS-5340-0	10.2	--	P4	E	500	NOTE 6.
1A6	2.0	GR-0250-4	2.8	--	--	E	470	NOTE 6.
								PENTODE SECTION. CAP = G. NOTE 6.
								HOLD DOWN P1 & PRESS P4.
1A6	2.0	GR-4350-2	5.5	--	P4	F	160	OSC. SECTION. NOTE 6.
1A7	1.4	HS-5340-0	0.0	--	--	E	575	PENTODE SECTION. CAP = G. HOLD
								DOWN P1 & PRESS P4. NOTE 6.
1A7	1.4	HS-5643-0	5.5	--	P4	F	250	OSC. SECTION. NOTE 6.
1AB5	1.1	JR-6230-0	0.0	--	P4	E	900	NOTE 6.
1AC5	1.1	EV-2780-0	3.4	--	P4	E	350	PLATE VOLTS = LOW. NOTE 6.
1AD5	1.1	EV-2780-0	0.5	--	P4	D	460	PLATE VOLTS = LOW. NOTE 6.
1AE4	1.1	BX-6230-0	1.7	--	P4	D	975	NOTE 6.
1AF4	1.4	BX-6230-0	0.4	--	P4	D	600	PLATE VOLTS = LOW. NOTE 6.
1AF5	1.4	BX-6540-0	1.4	--	P4	D	380	PENTODE SECTION. PLATE VOLTS = LOW
								NOTE 6.
1AF5	1.4	BX-0300-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 300 ON
								3000 SCALE. NOTES 3 & 6.
1AG5	1.1	EW-5120-0	4.0	--	P4	F	220	PENTODE SECTION. NOTE 6.
1AG5	1.1	EW-0300-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1AJ5	1.1	EW-5120-3	4.0	--	P4	F	270	PENTODE SECTION. NOTE 6.
1AJ5	1.1	EW-0300-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1AK5	1.1	EW-5120-3	3.6	--	P4	F	175	PENTODE SECTION. NOTE 6.
1AK5	1.1	EW-0300-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1AU3	1.1	HS-0000-0	0.0	--	P5	C	----	CAP = P. NOTES 3 & 6.
1AX2	1.4	BS-0000-0	0.0	--	P5	C	----	CAP = P. NOTES 3 & 6.
1B4	2.0	ER-0230-0	2.3	--	--	E	500	CAP = G. HOLD DOWN P1 & PRESS P4.
								NOTE 6.
1B5	2.0	GR-5200-0	4.0	--	P4	E	360	TRIODE SECTION. NOTE 6.
1B5	2.0	GR-5400-0	0.0	--	P1	D	----	DIODE NO. 1. NOTES 3 & 6.
1B5	2.0	GR-5300-0	0.0	--	P1	D	----	DIODE NO. 2. NOTES 3 & 6.
1B7	1.4	HS-0340-5	0.0	--	--	E	630	PENTODE SECTION. CAP = G. NOTE 6.
								HOLD DOWN P1 & PRESS P4.
1B7	1.4	HS-5640-3	0.0	--	--	D	570	OSC. SECTION. HOLD DOWN P1 & PRESS
								P4. NOTE 6.
1C3	1.4	BX-4200-0	2.6	--	P4	E	480	PLATE VOLTS = LOW. NOTE 6.
1C5	1.4	HS-5340-0	10.6	--	P4	E	1000	NOTE 6.
1C6	2.0	GR-0253-4	2.0	--	--	E	630	AMPL. SECTION. CAP = G. NOTE 6.
								HOLD DOWN P1 & PRESS P4.
1C6	2.0	GR-4352-0	4.0	--	P4	F	190	OSC. SECTION. NOTE 6.
1C7	2.0	HS-0346-5	2.0	--	--	E	630	PENTODE SECTION. CAP = G. NOTE 6.
								HOLD DOWN P1 & PRESS P4.
1C7	2.0	HS-5643-0	4.0	--	P4	F	190	OSC. SECTION. NOTE 6.
1D5	2.0	HS-0340-0	0.0	--	--	E	475	CAP = G. HOLD DOWN P1 & PRESS P4.
								NOTE 6.
1D7	2.0	HS-0346-5	2.8	--	--	E	470	PENTODE SECTION. CAP = G. NOTE 6.
								HOLD DOWN P1 & PRESS P4.
1D7	2.0	HS-5643-0	5.5	--	P4	F	160	OSC. SECTION. NOTE 6.
1D8	1.4	HS-5346-0	2.0	--	P4	E	550	PENTODE SECTION. NOTE 6.
								PLATE VOLTS = LOW.
1D8	1.4	HS-0600-0	1.5	--	P4	F	280	TRIODE SECTION. CAP = G. NOTE 6.
								PLATE VOLTS = LOW.
1D8	1.4	HS-0800-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1DN5	1.4	BX-6230-0	2.8	--	P4	D	400	PENTODE SECTION. PLATE VOLTS = LOW
								NOTE 6.
1DN5	1.4	HR-0400-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 1600 ON
								6000 SCALE. NOTES 3 & 6.
1E3	1.1	EV-1800-0	3.5	--	P4	D	2200	NOTE 6.
1E4	1.4	HS-5300-0	0.0	--	P4	E	825	NOTE 6.
1E5	2.0	HS-0340-0	2.3	--	--	E	500	CAP = G. HOLD DOWN P1 & PRESS P4.
								NOTE 6.
1E7	2.0	HS-5683-4	2.3	--	P4	D	900	PENTODE NO. 1. NOTE 6.
1E7	2.0	HS-4386-5	2.3	--	P4	D	900	PENTODE NO. 2. NOTE 6.
1F4	2.0	FR-3240-0	2.5	--	P4	E	880	NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
1F5	2.0	HS-5340-0	2.5	--	P4	E	880	NOTE 6.
1F6	2.0	GR-0230-0	0.6	--	--	E	410	PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1F6	2.0	GR-0530-0	0.0	--	P1	D	----	DIODE NO. 1. OK ABOVE 200 ON 3000 SCALE. NOTES 3 & 6.
1F6	2.0	GR-0430-0	0.0	--	P1	D	----	DIODE NO. 2. OK ABOVE 200 ON 3000 SCALE. NOTE 6.
1F7	2.0	HS-0360-0	0.6	--	--	E	410	PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4.
1F7	2.0	HS-0463-0	0.0	--	P1	D	----	DIODE NO. 1. NOTES 3 & 6.
1F7	2.0	HS-0563-0	0.0	--	P1	D	----	DIODE NO. 2. NOTES 3 & 6.
1G4	1.4	HS-5300-0	4.5	--	P4	E	520	PLATE VOLTS = LOW. NOTE 6.
1G5	2.0	HS-5340-0	6.2	--	P4	E	950	NOTE 6.
1G6	1.4	HS-5600-0	2.1	--	P4	E	420	TRIODE NO. 1. NOTE 6.
1G6	1.4	HS-4300-0	2.1	--	P4	E	420	TRIODE NO. 2. NOTE 6.
1H4	2.0	HS-5300-0	9.1	--	P4	E	570	NOTE 6.
1H5	1.4	HS-0300-0	0.8	--	P4	F	190	TRIODE SECTION. CAP = G. NOTE 6.
1H5	1.4	HS-0500-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1H6	2.0	HS-6300-0	4.0	--	P4	E	360	TRIODE SECTION. NOTE 6.
1H6	2.0	HS-6500-0	0.0	--	P1	D	----	DIODE NO. 1. NOTES 3 & 6.
1H6	2.0	HS-6400-0	0.0	--	P1	D	----	DIODE NO. 2. NOTES 3 & 6.
1J3	1.1	HS-0000-0	0.0	--	P5	C	----	CAP = P. NOTES 3 & 6.
1J5	2.0	HS-5340-0	15.0	--	P4	E	600	NOTE 6.
1J6	2.0	HS-5600-0	1.9	--	P4	E	630	TRIODE NO. 1. NOTE 6.
1J6	2.0	HS-4300-0	1.9	--	P4	E	630	TRIODE NO. 2. NOTE 6.
1L4	1.4	HR-6230-0	2.8	--	P4	E	650	NOTE 6.
1L6	1.4	BX-6253-4	0.6	--	P4	E	500	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
1L6	1.4	BX-4352-6	0.6	--	P4	F	250	OSC. SECTION. NOTE 6.
1LA4	1.4	JR-6230-0	10.2	--	P4	E	500	NOTE 6.
1LA6	1.4	JR-6253-4	0.0	--	--	E	630	PENTODE SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6.
1LA6	1.4	JR-4352-6	0.0	--	P4	F	220	OSC. SECTION. NOTE 6.
1LB4	1.4	JR-6230-0	4.0	--	P4	E	575	PLATE VOLTS = LOW. NOTE 6.
1LC5	1.4	JR-6234-0	1.0	--	P4	E	475	PLATE VOLTS = LOW. NOTE 6.
1LC6	1.4	JR-6253-4	1.0	--	--	E	630	PENTODE SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6.
1LC6	1.4	JR-4352-6	3.5	--	--	E	350	OSC. SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6.
1LD5	1.4	JR-6230-0	0.0	--	P4	E	500	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
1LD5	1.4	JR-0400-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1LE3	1.4	JR-6200-0	4.3	--	P4	E	760	NOTE 6.
1LF3	1.4	JR-6200-0	4.3	--	P4	E	760	NOTE 6.
1LG5	1.4	JR-6234-0	4.2	--	P4	E	660	NOTE 6.
1LH4	1.4	JR-6200-0	0.8	--	P4	F	190	TRIODE SECTION. NOTE 6.
1LH4	1.4	JR-6400-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1LN5	1.4	JR-6234-0	1.1	--	P4	E	480	NOTE 6.
1N5	1.4	HS-0340-0	1.1	--	P4	E	480	CAP = G. NOTE 6.
1N6	1.4	HS-5340-0	11.8	--	P4	E	500	PENTODE SECTION. NOTE 6.
1N6	1.4	HS-0600-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 500 ON 3000 SCALE. NOTES 3 & 6.
1P5	1.4	HS-0340-0	1.0	--	P4	E	500	CAP = G. NOTE 6.
1Q5	1.4	HS-5340-0	7.5	--	P4	C	1320	NOTE 6.
1Q6	1.1	EV-2780-0	2.0	--	P4	F	250	PENTODE SECTION. NOTE 6.
1Q6	1.1	EV-0600-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 250 ON 3000 SCALE. NOTES 3 & 6.
1R4	1.4	JR-0407-0	0.0	--	P1	D	----	DIODE. NOTE 3.
1S6	1.1	EV-3180-0	1.5	--	P4	F	280	PENTODE SECTION. NOTE 6.
1S6	1.1	EV-0600-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6.
1SA6	1.4	HS-4863-0	0.0	--	--	E	525	HOLD DOWN P1 & PRESS P4. NOTE 6.
1SB6	1.4	HS-8340-0	0.5	--	P4	E	410	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
1S86	1.4	HS-8500-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
1T4	1.4	BX-6230-0	0.0	--	P4	E	490	PLATE VOLTS = LOW. NOTE 6.
1T5	1.4	HS-5340-0	11.0	--	P4	E	725	NOTE 6.
1T6	1.1	EV-3186-0	1.5	--	P4	F	280	PENTODE SECTION. NOTE 6.
1T6	1.1	EV-0600-0	0.0	--	P1	D	----	DIODE SECTION. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6.
1U5	1.4	BX-6230-0	1.0	--	P4	E	390	PENTODE SECTION. PLATE VOLTS = LOW
1U5	1.4	BX-6430-0	0.0	--	P1	D	----	NOTE 6.
1U6	1.4	BX-6253-4	1.6	--	P4	D	630	DIODE SECTION. NOTES 3 & 6.
1U6	1.4	BX-4356-2	1.5	--	P4	F	190	AMPL. SECTION. PLATE VOLTS = LOW.
1V	6.3	ER-0203-0	0.0	89	P3	G	----	NOTE 6.
1V5	1.1	EV-2780-0	3.4	--	P4	E	350	OSC. SECTION. NOTE 6.
1V6	1.1	EX-3120-5	0.5	--	P4	F	315	NOTE 3.
1V6	1.1	EX-5600-3	4.0	--	P4	F	190	PLATE VOLTS = LOW. NOTE 6.
1W4	1.4	BX-6230-0	2.5	--	P4	E	580	CAP = P. NOTES 3 & 6.
1Z2	1.4	BS-0000-0	0.0	12	P5	G	----	
2A3	2.5	ER-3200-0	24.0	--	P4	D	1900	NOTE 6.
2A4	2.5	HS-5300-0	--	86	P5	G	----	STRIKES NEAR 8.5 V. NOTES 2,3 & 6
2A5	2.5	GR-4235-0	1.7	--	P4	D	1640	NOTE 6.
2A6	2.5	GR-0205-0	1.1	--	P4	D	700	TRIODE SECTION. CAP = G.
2A6	2.5	GR-0405-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
2A6	2.5	GR-0305-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
2A7	2.5	HR-0236-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G.
2A7	2.5	HR-5436-2	4.0	--	P4	F	280	PLATE VOLTS = LOW.
2B3	1.4	HS-0000-0	0.0	12	P5	G	----	OSC. SECTION.
2B4	2.5	FR-3204-0	--	89	P5	G	----	CAP = P. NOTES 3 & 6.
2B6	2.5	HR-4236-0	7.0	--	P4	E	950	STRIKES AT ABOUT 24 V. NOTES 2 & 3
2B7	2.5	HR-0236-0	5.6	--	P4	E	630	
2B7	2.5	HR-0536-0	0.0	--	P1	C	----	PENTODE SECTION. CAP = G.
2B7	2.5	HR-0436-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
2B22	6.3	HS-0008-0	0.0	88	P3	G	----	DIODE NO. 2. NOTE 3.
2B23	6.3	HS-0308-0	0.0	40	P5	G	----	TOP WASHER = P. NOTE 3.
2C4	2.5	HR-3504-0	--	88	P5	G	----	NOTE 3.
2C21	6.3	HR-4506-0	7.5	--	P4	E	870	STRIKES AT ABOUT 23 V. NOTES 2 & 3
2C21	6.3	HR-0302-0	7.5	--	P4	E	870	TRIODE NO. 1.
2C22	6.3	HS-0008-0	3.7	--	P4	D	1900	TRIODE NO. 2. CAP = G.
2C26	6.3	HS-0008-0	2.5	--	P4	E	950	FAR CAP = G. NEAR CAP = P.
2C40	6.3	HS-0008-0	1.5	--	P4	C	3000	RIGHT CAP = P. LEFT CAP = G.
2C43	6.3	HS-0008-0	0.4	--	P4	C	5000	CAP = P. RING = G.
2C45	7.5	ER-3200-0	8.0	--	P4	E	1380	CAP = P. RING = G.
2C50	12.6	HY-1203-0	11.8	--	P4	E	1125	NOTE 6.
2C50	12.6	HY-4506-0	11.8	--	P4	E	1125	TRIODE NO. 1.
2C52	12.6	HY-4506-2	0.8	--	P4	D	950	TRIODE NO. 2.
2C52	12.6	HY-1203-5	0.8	--	P4	D	950	TRIODE NO. 1.
2C53	6.3	HS-5008-0	0.0	--	P4	F	190	TRIODE NO. 2.
2DZ4	2.5	ET-2105-0	0.8	--	P4	C	5000	CAP = P.
2E5	2.5	GR-5403-0	0.0	--	P4	G	----	PLATE VOLTS = LOW.
2E5	2.5	GR-5423-0	0.0	--	P4	G	----	
2E22	6.3	FR-3024-0	0.0	--	P4	D	2500	EYE OPEN. SHORT ON B.
2E24	6.3	HS-5030-0	7.2	--	P4	D	2000	EYE CLOSED. SHORT ON B.
2E25	6.3	HS-5040-8	0.0	--	P4	D	1900	CAP = P.
2E26	6.3	HS-5031-8	8.0	--	P4	D	2200	CAP = P. NOTE 6.
2E30	6.3	ET-1560-2	3.0	--	P4	D	1900	CAP = P. NOTE 6.
2E31	1.1	DV-4120-0	3.0	--	P4	F	315	NOTE 6.
2E32	1.1	DV-4120-0	3.0	--	P4	F	315	NOTE 6.
2E35	1.1	DV-4120-0	3.3	--	P4	F	315	NOTE 6.
2E36	1.1	DV-4120-0	3.3	--	P4	F	315	NOTE 6.
2E41	1.1	EW-5120-0	4.0	--	P4	D	220	NOTE 6.
2E41	1.1	EW-0300-0	0.0	--	P1	F	----	PENTODE SECTION. NOTE 6.
2E42	1.1	EW-5120-0	4.0	--	P4	F	220	DIODE SECTION. NOTES 3 & 6.
2E42	1.1	EW-0300-0	0.0	--	P1	D	----	PENTODE SECTION. NOTE 6.
								DIODE SECTION. NOTES 3 & 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
2G21	1.1	EX-3265-1	3.0	--	P4	F	190	HEPTODE SECTION. NOTE 6.
2G21	1.1	EX-3100-6	4.6	--	P4	F	250	TRIODE SECTION. NOTE 6.
2G22	1.1	EX-3265-1	3.0	--	P4	F	190	HEPTODE SECTION. NOTE 6.
2G22	1.1	EX-3100-6	4.6	--	P4	F	250	TRIODE SECTION. NOTE 6.
2V2	2.5	HS-0005-0	0.0	--	P5	E	----	CAP = P. SHORT ON 1. NOTES 3 & 6.
2V3	2.5	HS-0000-0	0.0	12	P5	G	----	CAP = P. NOTES 3 & 6.
2W3	2.5	JS-0400-0	0.0	85	P3	G	----	NOTES 3 & 6.
2X2A	2.5	ER-0000-0	0.0	40	P5	G	----	CAP = P. NOTES 3 & 6.
2Z2	2.5	ER-0200-0	0.0	65	P3	G	----	NOTES 3 & 6.
3A4	2.5	BX-4230-0	1.0	--	--	D	1260	HOLD DOWN P1 & PRESS P4. NOTE 6.
3A5	3.0	BX-5600-0	7.2	--	P4	E	1260	TRIODE NO. 1. NOTE 6.
3A5	3.0	HR-3200-0	7.2	--	P4	E	1260	TRIODE NO. 2. NOTE 6.
3A8	2.5	HS-0340-0	2.2	--	P4	E	470	PENTODE SECTION. CAP = G. NOTE 6.
3A8	2.5	HS-5600-0	0.0	--	P4	F	125	TRIODE SECTION. NOTE 6.
3A8	2.5	HS-0800-0	0.0	--	P1	D	----	DIODE SECTION. NOTES 3 & 6.
3B5	2.5	HS-5340-0	6.2	--	P4	E	950	PLATE VOLTS = LOW. NOTE 6.
3B7	2.5	BY-6700-0	2.8	--	P4	D	1200	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
3B7	2.5	JR-3200-0	2.8	--	P4	D	1200	TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6.
3B24	2.5	ER-0000-0	0.0	63	P5	G	----	CAP = P. FIRST HALF OF FIL. NOTES 3 & 6.
3B24	2.5	CR-0000-0	0.0	63	P5	G	----	CAP = P. SECOND HALF OF FIL. NOTES 3 & 6.
3B29	3.0	ER-0000-0	0.0	80	P5	G	----	CAP = P. NOTES 3 & 6.
3C2	3.0	HS-0000-0	0.0	20	P5	G	----	CAP = P. NOTES 3 & 6.
3C6	2.5	BY-5600-0	3.5	--	P4	D	700	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
3C6	2.5	JR-4300-0	3.5	--	P4	D	700	TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6.
3CF6	3.0	ET-1562-7	1.0	--	P4	C	3900	
3D6	2.5	JR-6230-0	4.0	--	--	E	1300	HOLD DOWN P1 & PRESS P4. NOTE 6.
3E5	2.5	BX-6235-0	5.0	--	--	E	750	SHORT ON 1. HOLD DOWN P1 & PRESS P4. NOTE 6.
3E6	3.0	JR-6234-0	4.8	--	P4	D	1260	
3E55	3.0	ET-2501-0	1.0	--	P4	C	4500	
3FQ5	3.0	ET-2507-0	1.2	--	P4	C	5000	
3FQ5A	3.0	ET-2507-0	1.2	--	P4	C	6500	
3GS8	3.0	EV-7821-9	0.0	--	--	D	630	PENTODE NO. 1. HOLD DOWN P1 & PRESS P4.
3GS8	3.0	EV-7321-6	0.0	--	--	D	630	PENTODE NO. 2. HOLD DOWN P1 & PRESS P4.
3GU5	3.0	ET-1562-0	0.4	--	P4	C	8500	
3HM6	3.0	EV-2781-9	0.8	--	P4	C	6700	
3HS8	3.0	EV-7821-9	1.0	--	P4	D	500	PENTODE NO. 1.
3HS8	3.0	EV-7321-6	1.0	--	P4	D	500	PENTODE NO. 2.
3HT6	3.0	EV-2781-9	0.8	--	P4	C	5300	
3LE4	2.5	JR-6230-0	5.6	--	P4	E	1200	NOTE 6.
3LF4	2.5	JR-6230-0	5.6	--	P4	E	1200	NOTE 6.
3Q4	3.0	HR-3240-0	4.0	--	P4	E	1350	NOTE 6.
3Q5	2.5	HS-5340-0	8.3	--	P4	E	1130	NOTE 6.
3S4	2.5	HR-3240-0	5.0	--	P4	E	950	PLATE VOLTS = LOW. NOTE 6.
4A6	3.0	HS-5600-0	7.2	--	P4	D	630	TRIODE NO. 1. NOTE 6.
4A6	3.0	CX-4300-0	7.2	--	P4	D	630	TRIODE NO. 2. NOTE 6.
4BA6	4.3	ET-1562-2	1.0	--	P4	D	2070	
4BE6	4.3	ET-7562-1	0.0	--	--	D	940	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
4BE6	4.3	ET-1602-7	2.0	--	P4	C	4500	OSC. SECTION.
4BX8	4.3	EV-7608-9	1.0	--	P4	C	3400	TRIODE NO. 1. PLATE VOLTS = LOW.
4BX8	4.3	EV-2103-9	1.0	--	P4	C	3400	TRIODE NO. 2. PLATE VOLTS = LOW.
4BZ8	4.3	EV-7608-9	2.2	--	P4	C	2500	TRIODE NO. 1.
4BZ8	4.3	EV-2103-9	2.2	--	P4	C	2500	TRIODE NO. 2.
4CE5	4.3	ET-1562-0	1.0	--	P4	C	3900	
4GW5	4.3	ET-2105-0	1.2	--	P4	B	9400	
5A6	5.0	EV-7160-3	12.0	--	P4	D	1900	NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
5AS4	5.0	JS-0600-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AS4	5.0	JS-0400-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AW4	5.0	JS-0600-4	0.0	88	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AW4	5.0	JS-0400-6	0.0	87	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AX4	5.0	JS-0600-0	0.0	80	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AX4	5.0	JS-0400-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AZ4	5.0	JS-0600-4	0.0	75	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AZ4	5.0	JS-0400-6	0.0	70	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5BS8	5.0	EV-7608-9	0.0	--	P4	C	4100	TRIODE NO. 1. PLATE VOLTS = LOW.
5BS8	5.0	EV-2103-9	0.0	--	P4	C	4100	TRIODE NO. 2. PLATE VOLTS = LOW.
5BZ7	5.0	EV-7608-9	2.2	--	P4	C	4300	TRIODE NO. 1.
5BZ7	5.0	EV-2103-9	2.2	--	P4	C	4300	TRIODE NO. 2.
5CM6	5.0	EV-3917-0	3.3	--	P4	D	2600	
5CR8	5.0	EV-2673-8	1.0	--	P4	D	3000	PENTODE SECTION.
5CR8	5.0	EV-9108-0	2.8	--	P4	D	2500	TRIODE SECTION.
5CU4	5.0	JS-0601-0	0.0	90	P3	G	----	PLATE NO. 1. NOTE 3.
5CU4	5.0	JS-0401-0	0.0	90	P3	G	----	PLATE NO. 2. NOTE 3.
5EH8	5.0	EV-7986-0	1.0	--	P4	D	2700	PENTODE SECTION.
5EH8	5.0	EV-2301-0	1.6	--	P4	C	4700	TRIODE SECTION.
5T4	5.0	JS-0600-0	0.0	88	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5T4	5.0	JS-0400-0	0.0	86	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5W4	5.0	JS-0600-0	0.0	77	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5W4	5.0	JS-0400-0	0.0	74	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5X3	5.0	ER-0300-0	0.0	75	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5X3	5.0	ER-0200-0	0.0	70	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5X4	5.0	HY-0500-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5X4	5.0	HY-0300-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Y4	5.0	HY-0500-0	0.0	80	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Y4	5.0	HY-0300-0	0.0	75	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Z3	5.0	ER-0300-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Z3	5.0	ER-0200-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Z4	5.0	JS-0600-0	0.0	91	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Z4	5.0	JS-0400-0	0.0	91	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
6A3	6.3	ER-3200-0	26.0	--	P4	D	1900	NOTE 6.
6A4	6.3	FR-3240-0	5.0	--	P4	E	1260	NOTE 6.
6A5	6.3	HS-5300-0	26.0	--	P4	D	1900	NOTE 6.
6A6	6.3	HR-5604-0	2.3	--	P4	D	950	TRIODE NO. 1.
6A6	6.3	HR-3204-0	2.3	--	P4	D	950	TRIODE NO. 2.
6A7	6.3	HR-0236-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G. PLATE VOLTS = LOW.
6A7	6.3	HR-5436-2	4.0	--	P4	F	280	OSC. SECTION.
6A8	6.3	HS-0348-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G. PLATE VOLTS = LOW.
6A8	6.3	HS-5648-3	4.0	--	P4	F	280	OSC. SECTION.
6AB5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6AB5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6AB6	6.3	HS-5348-0	0.9	--	P4	D	920	
6AB7	6.3	HS-4865-3	2.0	--	P4	D	2200	
6AB8	6.3	EV-9683-7	4.0	--	P4	D	2100	
6AB8	6.3	EV-2103-0	5.0	--	P4	D	850	PENTODE SECTION.
6AC5	6.3	HS-5308-0	0.0	--	P4	E	630	TRIODE SECTION.
6AC6	6.3	HS-5348-0	0.0	--	P4	E	1500	
6AD4	6.3	DW-1805-0	1.7	--	P4	D	1260	
6AD6	6.3	HS-4358-0	0.0	--	P4	G	----	EYE 1 OPEN. EYE 2 CLOSED.
6AD6	6.3	HS-3458-0	0.0	--	P4	G	----	EYE 1 CLOSED. EYE 2 OPEN.
6AD7	6.3	HS-5348-6	5.3	--	P4	E	1260	PENTODE SECTION.
6AD7	6.3	HS-1608-3	0.0	--	P4	E	380	TRIODE SECTION.
6AE5	6.3	HS-5308-0	25.5	--	P4	E	750	
6AE6	6.3	HS-5408-3	0.0	--	P4	E	470	TRIODE NO. 1.
6AE6	6.3	HS-5308-4	0.0	--	P4	E	540	TRIODE NO. 2.
6AE7	6.3	HS-6308-4	7.6	--	P4	E	950	TRIODE NO. 1.
6AE7	6.3	HS-4305-6	7.6	--	P4	E	950	TRIODE NO. 2.
6AF5	6.3	HS-5308-0	15.3	--	P4	E	950	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
5AS4	5.0	JS-0600-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AS4	5.0	JS-0400-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AW4	5.0	JS-0600-4	0.0	88	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AW4	5.0	JS-0400-6	0.0	87	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AX4	5.0	JS-0600-0	0.0	80	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AX4	5.0	JS-0400-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5AZ4	5.0	JS-0600-4	0.0	75	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5AZ4	5.0	JS-0400-6	0.0	70	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5BS8	5.0	EV-7608-9	0.0	--	P4	C	4100	TRIODE NO. 1. PLATE VOLTS = LOW.
5BS8	5.0	EV-2103-9	0.0	--	P4	C	4100	TRIODE NO. 2. PLATE VOLTS = LOW.
5BZ7	5.0	EV-7608-9	2.2	--	P4	C	4300	TRIODE NO. 1.
5BZ7	5.0	EV-2103-9	2.2	--	P4	C	4300	TRIODE NO. 2.
5CM6	5.0	EV-3917-0	3.3	--	P4	D	2600	
5CR8	5.0	EV-2673-8	1.0	--	P4	D	3000	PENTODE SECTION.
5CR8	5.0	EV-9108-0	2.8	--	P4	D	2500	TRIODE SECTION.
5CU4	5.0	JS-0601-0	0.0	90	P3	G	----	PLATE NO. 1. NOTE 3.
5CU4	5.0	JS-0401-0	0.0	90	P3	G	----	PLATE NO. 2. NOTE 3.
5EH8	5.0	EV-7986-0	1.0	--	P4	D	2700	PENTODE SECTION.
5EH8	5.0	EV-2301-0	1.6	--	P4	C	4700	TRIODE SECTION.
5T4	5.0	JS-0600-0	0.0	88	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5T4	5.0	JS-0400-0	0.0	86	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5W4	5.0	JS-0600-0	0.0	77	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5W4	5.0	JS-0400-0	0.0	74	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5X3	5.0	ER-0300-0	0.0	75	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5X3	5.0	ER-0200-0	0.0	70	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5X4	5.0	HY-0500-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5X4	5.0	HY-0300-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Y4	5.0	HY-0500-0	0.0	80	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Y4	5.0	HY-0300-0	0.0	75	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Z3	5.0	ER-0300-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Z3	5.0	ER-0200-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
5Z4	5.0	JS-0600-0	0.0	91	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
5Z4	5.0	JS-0400-0	0.0	91	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
6A3	6.3	ER-3200-0	26.0	--	P4	D	1900	NOTE 6.
6A4	6.3	FR-3240-0	5.0	--	P4	E	1260	NOTE 6.
6A5	6.3	HS-5300-0	26.0	--	P4	D	1900	NOTE 6.
6A6	6.3	HR-5604-0	2.3	--	P4	D	950	TRIODE NO. 1.
6A6	6.3	HR-3204-0	2.3	--	P4	D	950	TRIODE NO. 2.
6A7	6.3	HR-0236-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G. PLATE VOLTS = LOW.
6A7	6.3	HR-5436-2	4.0	--	P4	F	280	OSC. SECTION.
6A8	6.3	HS-0348-5	1.0	--	P4	D	1000	PENTODE SECTION. CAP = G. PLATE VOLTS = LOW.
6A8	6.3	HS-5648-3	4.0	--	P4	F	280	OSC. SECTION.
6AB5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6AB5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6AB6	6.3	HS-5348-0	0.9	--	P4	D	920	
6AB7	6.3	HS-4865-3	2.0	--	P4	D	2200	
6AB8	6.3	EV-9683-7	4.0	--	P4	D	2100	PENTODE SECTION.
6AB8	6.3	EV-2103-0	5.0	--	P4	D	850	TRIODE SECTION.
6AC5	6.3	HS-5308-0	0.0	--	P4	E	630	
6AC6	6.3	HS-5348-0	0.0	--	P4	E	1500	
6AD4	6.3	DW-1805-0	1.7	--	P4	D	1260	
6AD6	6.3	HS-4358-0	0.0	--	P4	G	----	EYE 1 OPEN. EYE 2 CLOSED.
6AD6	6.3	HS-3458-0	0.0	--	P4	G	----	EYE 1 CLOSED. EYE 2 OPEN.
6AD7	6.3	HS-5348-6	5.3	--	P4	E	1260	PENTODE SECTION.
6AD7	6.3	HS-1608-3	0.0	--	P4	E	380	TRIODE SECTION.
6AE5	6.3	HS-5308-0	25.5	--	P4	E	750	
6AE6	6.3	HS-5408-3	0.0	--	P4	E	470	TRIODE NO. 1.
6AE6	6.3	HS-5308-4	0.0	--	P4	E	540	TRIODE NO. 2.
6AE7	6.3	HS-6308-4	7.6	--	P4	E	950	TRIODE NO. 1.
6AE7	6.3	HS-4305-6	7.6	--	P4	E	950	TRIODE NO. 2.
6AF5	6.3	HS-5308-0	15.3	--	P4	E	950	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
6AF6	6.3	HS-4358-0	0.0	--	P4	G	----	EYE 1 OPEN. EYE 2 CLOSED.
6AF6	6.3	HS-3458-0	0.0	--	P4	G	----	EYE 2 OPEN. EYE 1 CLOSED.
6AH4	6.3	HS-1508-0	11.0	--	P4	C	3460	
6AH6	6.3	ET-1567-2	1.0	--	P4	C	5650	
6AH7	6.3	HY-5604-3	4.0	--	P4	D	1500	TRIODE NO. 1.
6AH7	6.3	HY-1302-6	4.0	--	P4	D	1500	TRIODE NO. 2.
6AJ4	6.3	JX-1502-0	2.2	--	P4	C	6300	
6AJ5	6.3	ET-1562-0	1.8	--	P4	D	1600	PLATE VOLTS = LOW.
6AJ7	6.3	HS-4865-3	1.0	--	P4	C	5650	
6AK4	6.3	DW-1805-7	4.0	--	P4	D	2400	
6AK7	6.3	HS-4865-1	1.7	--	P4	C	5000	
6AL7	6.3	HS-6358-0	--	--	P4	G	----	BIAS CONTROLS LEFT PATTERN. BIAS = VARY.
6AL7	6.3	HS-5348-0	--	--	P4	G	----	BIAS CONTROLS BOTH PATTERNS. BIAS = VARY.
6AL7	6.3	HS-4358-0	--	--	P4	G	----	BIAS CONTROLS RIGHT PATTERN. BIAS = VARY.
6AM4	6.3	JX-1502-0	0.8	--	P4	C	5650	
6AN6	6.3	HR-0506-0	0.0	--	P1	E	----	PLATE NO. 1. NOTE 3.
6AN6	6.3	HR-0406-0	0.0	--	P1	E	----	PLATE NO. 2. NOTE 3.
6AN6	6.3	HR-0306-0	0.0	--	P1	E	----	PLATE NO. 3. NOTE 3.
6AN6	6.3	HR-0206-0	0.0	--	P1	E	----	PLATE NO. 4. NOTE 3.
6AQ6	6.3	ET-1702-0	1.8	--	P4	D	725	TRIODE SECTION.
6AQ6	6.3	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6AQ6	6.3	ET-0502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6AQ7	6.3	HY-4506-0	1.5	--	P4	E	630	TRIODE SECTION.
6AQ7	6.3	HY-4102-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6AQ7	6.3	HY-4302-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6AR5	6.3	ET-1562-0	9.0	--	P4	E	1000	
6AR6	6.3	GY-7351-0	4.0	--	P4	C	3400	
6AR8	6.3	EV-6937-2	0.8	--	P4	D	2200	PLATE NO. 1. DISREGARD NEON FLASH IN SHORT TESTING.
6AR8	6.3	EV-6837-2	0.8	--	P4	D	2200	PLATE NO. 2. DISREGARD NEON FLASH IN SHORT TESTING.
6AS5	6.3	ET-2761-0	10.5	--	P4	C	3530	
6AU7	6.3	EV-7608-0	3.2	--	P4	D	1950	TRIODE NO. 1.
6AU7	6.3	EV-2103-0	3.2	--	P4	D	1950	TRIODE NO. 2.
6AV5	6.3	HS-1583-0	6.5	--	--	C	3500	HOLD DOWN P1 & PRESS P4.
6AW7	6.3	HY-2601-0	0.0	--	P4	E	750	TRIODE SECTION.
6AW7	6.3	HY-2305-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6AW7	6.3	HY-2401-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6AX6	6.3	HS-0508-0	0.0	91	P3	G	----	PLATE NO. 1. NOTE 3.
6AX6	6.3	HS-0304-0	0.0	91	P3	G	----	PLATE NO. 2. NOTE 3.
6AX7	6.3	EV-7608-0	1.3	--	P4	D	875	TRIODE NO. 1.
6AX7	6.3	EV-2103-0	1.3	--	P4	D	875	TRIODE NO. 2.
6AX8	6.3	EV-2637-0	0.8	--	P4	D	2400	PENTODE SECTION.
6AX8	6.3	EV-9108-0	1.0	--	P4	C	5350	TRIODE SECTION.
6AZ5	6.3	DW-0807-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6AZ5	6.3	DW-0102-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6AZ6	6.3	DW-0204-8	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6AZ6	6.3	DW-0705-8	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6B4	6.3	HS-5300-0	25.0	--	P4	D	1900	
6B5	6.3	GR-4235-0	1.5	--	P4	D	950	
6B6	6.3	HS-0308-0	0.9	--	P4	D	700	TRIODE SECTION. CAP = G.
6B6	6.3	HS-0508-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6B6	6.3	HS-0408-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6B7	6.3	HR-0236-0	5.6	--	P4	E	630	PENTODE SECTION. CAP = G.
6B7	6.3	HR-0536-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6B7	6.3	HR-0436-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6B8	6.3	HS-0368-1	4.0	--	P4	E	720	PENTODE SECTION. CAP = G.
6B8	6.3	HS-0568-1	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6B8	6.3	HS-0468-1	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6BD5	6.3	HS-1583-0	2.3	--	P4	D	3150	
6BD6	6.3	ET-1567-2	3.0	--	P4	D	1260	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
6BE7	6.3	EV-7163-9	6.0	--	P4	E	630	
6BE8	6.3	EV-9678-3	0.8	--	P4	D	2400	PENTODE SECTION. NOTE 6.
6BE8	6.3	EV-1203-0	1.0	--	P4	C	5350	TRIODE SECTION.
6BF5	6.3	ET-1562-0	12.2	--	P4	D	2450	
6BF6	6.3	ET-1702-0	3.0	--	P4	E	1200	TRIODE SECTION.
6BF6	6.3	ET-1602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6BF6	6.3	ET-1502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6BF7	6.3	DW-7805-0	1.6	--	P4	D	3000	TRIODE NO. 1.
6BF7	6.3	DW-2104-0	1.6	--	P4	D	3000	TRIODE NO. 2.
6BF8	6.3	EV-0906-0	0.0	--	P1	G	----	DIODE NO. 1. NOTE 3.
6BF8	6.3	EV-0806-0	0.0	--	P1	G	----	DIODE NO. 2. NOTE 3.
6BF8	6.3	EV-0706-0	0.0	--	P1	G	----	DIODE NO. 3. NOTE 3.
6BF8	6.3	EV-0306-0	0.0	--	P1	G	----	DIODE NO. 4. NOTE 3.
6BF8	6.3	EV-0206-0	0.0	--	P1	G	----	DIODE NO. 5. NOTE 3.
6BF8	6.3	EV-0106-0	0.0	--	P1	G	----	DIODE NO. 6. NOTE 3.
6BG6	6.3	HS-5083-0	4.5	--	P4	C	3800	CAP = P.
6BG7	6.3	DW-7805-0	1.6	--	P4	D	3000	TRIODE NO. 1.
6BG7	6.3	DW-2104-0	1.6	--	P4	D	3000	TRIODE NO. 2.
6BJ6	6.3	ET-1562-7	0.8	--	P4	C	2400	
6BK5	6.3	EV-3186-0	0.0	--	P4	C	4700	
6BK6	6.3	ET-1702-5	0.8	--	P4	D	790	TRIODE SECTION.
6BK6	6.3	ET-0602-5	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6BK6	6.3	ET-0502-7	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6BL4	6.3	HY-0503-0	0.0	90	P3	G	----	NOTE 3.
6BS8	6.3	EV-7608-9	0.0	--	P4	C	4100	TRIODE NO. 1. PLATE VOLTS = LOW.
6BS8	6.3	EV-2103-9	0.0	--	P4	C	4100	TRIODE NO. 2. PLATE VOLTS = LOW.
6BT6	6.3	ET-1702-0	2.1	--	P4	D	820	TRIODE SECTION.
6BT6	6.3	ET-1602-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6BT6	6.3	ET-1502-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6BT8	6.3	EV-8679-0	1.0	--	P4	C	3900	PENTODE SECTION.
6BT8	6.3	EV-0103-0	0.0	--	P1	E	----	DIODE NO. 1. NOTE 3.
6BT8	6.3	EV-0203-0	0.0	--	P1	E	----	DIODE NO. 2. NOTE 3.
6BU6	6.3	ET-1702-0	6.0	--	P4	E	950	TRIODE SECTION.
6BU6	6.3	ET-1602-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
6BU6	6.3	ET-1502-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
6BV8	6.3	EV-2301-0	2.3	--	P4	C	3500	TRIODE SECTION.
6BV8	6.3	EV-0907-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6BV8	6.3	EV-0608-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6BW4	6.3	EV-0709-1	0.0	75	P3	G	----	PLATE NO. 1. NOTE 3.
6BW4	6.3	EV-0109-7	0.0	75	P3	G	----	PLATE NO. 2. NOTE 3.
6BX6	6.3	EV-2781-9	0.5	--	P4	C	4500	
6BX7	6.3	HY-4506-2	7.0	--	P4	C	4800	TRIODE NO. 1.
6BX7	6.3	HY-1203-5	7.0	--	P4	C	4800	TRIODE NO. 2.
6BX8	6.3	EV-7608-9	1.0	--	P4	C	3400	TRIODE NO. 1. PLATE VOLTS = LOW.
6BX8	6.3	EV-2103-9	1.0	--	P4	C	3400	TRIODE NO. 2. PLATE VOLTS = LOW.
6BY5	6.3	HS-0508-0	0.0	88	P3	G	----	PLATE NO. 1. NOTE 3.
6BY5	6.3	HS-0401-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
6BZ8	6.3	EV-7608-9	2.2	--	P4	C	2500	TRIODE NO. 1.
6BZ8	6.3	EV-2103-9	2.2	--	P4	C	2500	TRIODE NO. 2.
6C5	6.3	HS-5308-0	4.2	--	P4	E	1260	
6C6	6.3	GR-0235-4	3.3	--	P4	E	770	CAP = G.
6C7	6.3	HR-0206-0	6.9	--	P4	E	780	TRIODE SECTION. CAP = G.
6C7	6.3	HR-0506-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6C7	6.3	HR-0406-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6C8	6.3	HS-5608-0	2.1	--	P4	D	1000	TRIODE NO. 1.
6C8	6.3	HS-0304-0	2.1	--	P4	D	1000	TRIODE NO. 2. CAP = G.
6CF6	6.3	ET-1562-7	1.0	--	P4	C	3900	
6CH7	6.3	EV-7608-0	2.2	--	P4	C	4300	TRIODE NO. 1.
6CH7	6.3	EV-2103-0	2.2	--	P4	C	4300	TRIODE NO. 2.
6CH8	6.3	EV-7236-0	0.8	--	P4	C	3900	PENTODE SECTION. DISREGARD NEON FLASH IN SHORT TESTING.
6CH8	6.3	EV-8901-0	4.6	--	P4	D	2100	TRIODE SECTION.
6CJ6	6.3	EV-2073-1	16.0	--	P4	D	2900	CAP = P.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
6CK4	6.3	HS-1508-0	16.0	--	P4	C	3500	PENTODE SECTION.
6CK6	6.3	EV-2713-6	0.5	--	P4	C	6300	
6CM8	6.3	EV-2673-0	1.0	--	P4	C	3900	
6CM8	6.3	EV-9108-0	1.1	--	P4	D	1260	TRIODE SECTION.
6CR6	6.3	ET-7561-2	2.8	--	P4	D	1225	PENTODE SECTION.
6CR6	6.3	ET-0201-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
6CR8	6.3	EV-2673-8	1.0	--	P4	D	3000	PENTODE SECTION.
6CR8	6.3	EV-9108-0	2.8	--	P4	D	2500	TRIODE SECTION.
6CU6	6.3	HS-5048-0	12.0	--	P4	C	3500	CAP = P.
6D4	6.3	ET-1705-0	--	87	P5	G	----	STRIKES AT ABOUT 21 V. NOTES 2 & 3
6D5	6.3	HS-5308-0	19.0	--	P4	D	1260	
6D6	6.3	GR-0235-4	3.3	--	P4	E	1000	CAP = G.
6D7	6.3	HR-0236-4	4.0	--	P4	E	770	CAP = G.
6D8	6.3	HS-0348-5	0.0	--	--	E	820	AMPL. SECTION. CAP = G.
6D8	6.3	HS-5648-3	0.5	--	P4	F	190	HOLD DOWN P1 & PRESS P4.
6DA6	6.3	EV-2783-9	2.2	--	P4	D	1900	OSC. SECTION.
6DA7	6.3	EV-7608-0	3.4	--	P4	D	1650	TRIODE NO. 1.
6DA7	6.3	EV-3109-0	15.0	--	P4	C	3700	TRIODE NO. 2.
6DB6	6.3	ET-1562-7	2.0	--	P4	D	1300	GRID NO. 1.
6DB6	6.3	ET-7562-1	3.2	--	--	D	630	GRID NO.3. HOLD DOWN P1 & PRESS P4
6DN6	6.3	HS-5083-0	0.0	--	P4	C	7000	CAP = P. PLATE VOLTS = LOW.
6DW5	6.3	EV-3917-0	12.0	--	P4	C	3500	
6DX4	6.3	ET-2105-0	3.6	--	P4	C	5350	
6E5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6E5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6E6	6.3	HR-5604-0	13.5	--	P4	E	880	TRIODE NO. 1.
6E6	6.3	HR-3204-0	13.5	--	P4	E	880	TRIODE NO. 2.
6E7	6.3	HR-0236-4	4.0	--	P4	E	950	CAP = G.
6F4	6.3	GR-2307-0	2.2	--	P4	C	3800	PLATE VOLTS = LOW.
MODEL 539C# 6F4	6.3	HS-1306-0	2.2	--	P4	C	3800	PLATE VOLTS = LOW. USE ADAPTER SA-7, 1050-9.
6F5	6.3	HS-0408-1	0.9	--	P4	D	950	CAP = G.
6F6	6.3	HS-5348-1	1.7	--	P4	D	1640	
6F7	6.3	HR-0236-5	5.0	--	P4	E	700	PENTODE SECTION. CAP = G.
6F7	6.3	HR-5406-3	5.0	--	P4	E	315	TRIODE SECTION.
6F8	6.3	HS-5608-0	4.8	--	P4	E	1260	TRIODE NO. 1.
6F8	6.3	HS-0304-0	4.8	--	P4	E	1260	TRIODE NO. 2. CAP = G.
6FH6	6.3	HS-5048-0	0.0	--	P4	C	3100	CAP = P. PLATE VOLTS = LOW.
6FR7	6.3	EV-7608-0	1.6	--	P4	D	1000	TRIODE NO. 1.
6FR7	6.3	EV-3109-0	17.0	--	P4	C	6000	TRIODE NO. 2.
6FW8	6.3	EV-7608-0	3.0	--	P4	C	5400	TRIODE NO. 1.
6FW8	6.3	EV-2103-0	3.0	--	P4	C	5400	TRIODE NO. 2.
6G5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6G5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6G6	6.3	HS-5348-0	5.6	--	P4	C	1325	
6GC6	6.3	HS-5083-0	15.0	--	P4	C	3600	CAP = P.
6GD7	6.3	EV-9678-0	0.6	--	P4	C	5250	PENTODE SECTION.
6GD7	6.3	EV-1203-0	1.4	--	P4	C	6250	TRIODE SECTION.
6GS8	6.3	EV-7821-9	0.0	--	--	D	630	PENTODE NO. 1. HOLD DOWN P1 & PRESS P4.
6GS8	6.3	EV-7321-6	0.0	--	--	D	630	PENTODE NO. 2. HOLD DOWN P1 & PRESS P4.
6GW5	6.3	ET-2105-0	1.2	--	P4	B	9400	
6H4	6.3	HS-0408-0	0.0	0	P1	G	----	NOTE 3.
6H5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6H5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6H6	6.3	HS-0508-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6H6	6.3	HS-0304-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6J5	6.3	HS-5308-0	3.7	--	P4	D	1640	
6J7	6.3	HS-0348-5	4.0	--	P4	E	770	CAP = G.
6J8	6.3	HS-5348-6	2.5	--	P4	D	630	HEPTODE SECTION. CAP = G.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.CUND.	NOTATIONS
6J8	6.3	HS-5608-4	3.0	--	P4	D	1000	TRIODE SECTION.
6JA8	6.3	EV-7986-0	1.0	--	P4	C	5700	TETRODE SECTION.
6LA8	6.3	EV-2301-0	1.6	--	P4	D	2200	TRIODE SECTION.
6K4	6.3	DU-2105-0	1.1	--	P4	C	3500	PLATE VOLTS = LOW.
6K5	6.3	HS-0308-0	2.0	--	P4	D	880	CAP = G.
6K7	6.3	HS-0348-5	2.8	--	P4	E	910	CAP = G.
6K8	6.3	HS-5348-6	1.1	--	P4	D	630	HEXODE SECTION. CAP = G.
6K8	6.3	HS-5608-4	2.0	--	P4	D	1900	TRIODE SECTION.
6KS8	6.3	EV-7986-0	2.8	--	P4	C	4000	PENTODE SECTION.
6KS8	6.3	EV-2301-0	1.2	--	P4	D	2500	TRIODE SECTION.
6L4	6.3	GR-2307-0	1.4	--	P4	C	4000	PLATE VOLTS = LOW.
MODEL 539C#								
6L4	6.3	HS-1306-0	1.4	--	P4	C	4000	PLATE VOLTS = LOW. USE ADAPTER SA-7, 1050-9.
6L5	6.3	HS-5308-0	6.0	--	P4	E	950	
6L7	6.3	HS-0348-5	5.0	--	P4	E	410	CAP GRID. CAP = G.
6L7	6.3	HS-5348-1	5.0	--	P4	E	410	PIN GRID.
6N4	6.3	ET-1502-0	1.7	--	P4	C	3800	
6N5	6.3	GR-5403-0	0.0	100	P4	G	----	EYE OPEN. SHORT ON B.
6N5	6.3	GR-5423-0	0.0	100	P4	G	----	EYE CLOSED. SHORT ON B.
6N6	6.3	HS-5348-0	0.0	--	P4	E	950	
6N7	6.3	HS-5608-3	3.0	--	P4	D	950	TRIODE NO. 1.
6N7	6.3	HS-4308-6	3.0	--	P4	D	950	TRIODE NO. 2.
6N8	6.3	EV-2613-9	0.9	--	P4	E	1400	PENTODE SECTION.
6N8	6.3	EV-2713-9	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6N8	6.3	EV-2813-9	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6P5	6.3	HS-5308-0	6.2	--	P4	E	910	
6P7	6.3	CT-0458-6	5.0	--	P4	E	700	PENTODE SECTION. CAP = G.
6P7	6.3	CT-7608-4	5.0	--	P4	E	315	TRIODE SECTION.
6Q4	6.3	EV-1903-0	0.5	--	P4	B	7600	
6Q5	6.3	HS-5308-0	--	89	P5	G	----	STRIKES AT ABOUT 16 V. NOTES 2 & 3
6Q6	6.3	HS-0308-0	2.3	--	P4	E	630	TRIODE SECTION. CAP = G.
6Q6	6.3	HS-0508-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6Q6	6.3	HS-0408-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6Q7	6.3	HS-0308-1	2.3	--	P4	E	500	TRIODE SECTION. CAP = G.
6Q7	6.3	HS-0508-3	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6Q7	6.3	HS-0408-3	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6R7	6.3	HS-0308-1	4.0	--	P4	E	1200	TRIODE SECTION. CAP = G.
6R7	6.3	HS-0508-3	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6R7	6.3	HS-0408-3	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6R8	6.3	EV-8907-2	4.8	--	P4	F	1200	TRIODE SECTION.
6R8	6.3	EV-0107-8	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6R8	6.3	EV-0607-8	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6R8	6.3	EV-0203-9	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
6S7	6.3	HS-0348-5	4.8	--	P4	E	1100	CAP = G.
6S8	6.3	HY-0602-0	0.8	--	P4	E	570	TRIODE SECTION. CAP = G.
6S8	6.3	HY-0305-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6S8	6.3	HY-0402-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6S8	6.3	HY-0102-0	0.0	--	P1	D	----	DIODE NO. 3. NOTE 3.
6SA7	6.3	HS-8346-5	0.0	--	--	D	760	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
6SA7	6.3	HS-5406-8	0.0	--	P4	C	2840	OSC. SECTION.
6SB7	6.3	HS-8346-5	0.0	--	--	D	1070	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
6SB7	6.3	HS-5406-8	0.0	--	P4	C	5000	OSC. SECTION.
6SC7	6.3	HY-4506-2	0.9	--	P4	D	830	TRIODE NO. 1.
6SC7	6.3	HY-3206-5	0.9	--	P4	D	830	TRIODE NO. 2.
6SD7	6.3	HS-4865-3	2.6	--	P4	D	1900	
6SF5	6.3	HY-3502-1	0.9	--	P4	D	950	
6SF7	6.3	HY-2643-1	0.9	--	P4	D	1260	PENTODE SECTION.
6SF7	6.3	HY-0543-6	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
6SG7	6.3	HS-4865-1	0.8	--	P4	C	2500	
6SH7	6.3	HS-4865-1	0.6	--	P4	C	2500	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
6SJ7	6.3	HS-4865-3	3.3	--	P4	D	1040	
6SK7	6.3	HS-4865-3	2.0	--	P4	D	1260	
6SL7	6.3	HY-4506-2	0.4	--	P4	D	1000	TRIODE NO. 1.
6SL7	6.3	HY-1203-5	0.4	--	P4	D	1000	TRIODE NO. 2.
6SQ7	6.3	HY-2603-1	1.1	--	P4	D	700	TRIODE SECTION.
6SQ7	6.3	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6SQ7	6.3	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6SR7	6.3	HY-2603-1	4.5	--	P4	D	1200	TRIODE SECTION.
6SR7	6.3	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6SR7	6.3	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6SS7	6.3	HS-4865-3	3.3	--	P4	E	1160	
6ST7	6.3	HY-2603-1	3.5	--	P4	E	1200	TRIODE SECTION.
6ST7	6.3	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6ST7	6.3	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6SU7	6.3	HY-4506-2	1.0	--	P4	D	1000	TRIODE NO. 1.
6SU7	6.3	HY-1203-5	1.0	--	P4	D	1000	TRIODE NO. 2.
6SV7	6.3	HY-2643-0	1.0	--	P4	D	1640	PENTODE SECTION.
6SV7	6.3	HY-2543-0	0.0	--	P1	G		DIODE SECTION. NOTE 3.
6SZ7	6.3	HY-2603-1	1.5	--	P4	D	760	TRIODE SECTION.
6SZ7	6.3	HY-0503-1	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6SZ7	6.3	HY-0403-1	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6T5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6T5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6T7	6.3	HS-0308-0	2.3	--	P4	E	630	TRIODE SECTION. CAP = G.
6T7	6.3	HS-0508-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6T7	6.3	HS-0408-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6U3	6.3	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
6U4	6.3	HY-0503-0	0.0	90	P3	G	----	NOTE 3.
6U5	6.3	GR-5403-0	0.0	--	P4	G	----	EYE OPEN. SHORT ON B.
6U5	6.3	GR-5423-0	0.0	--	P4	G	----	EYE CLOSED. SHORT ON B.
6U6	6.3	HS-5348-0	3.7	--	--	C	3900	HOLD DOWN P1 & PRESS P4.
6U7	6.3	HS-0348-5	3.3	--	P4	D	1000	CAP = G.
6V4	6.3	EV-0703-1	0.0	80	P3	G	----	PLATE NO. 1. NOTE 3.
6V4	6.3	EV-0103-7	0.0	80	P3	G	----	PLATE NO. 2. NOTE 3.
6V7	6.3	HS-0308-0	11.8	--	P4	E	610	TRIODE SECTION. CAP = G.
6V7	6.3	HS-0508-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6V7	6.3	HS-0408-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
6V8	6.3	EV-6103-8	2.2	--	P4	D	760	TRIODE SECTION.
6V8	6.3	EV-0903-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
6V8	6.3	EV-0708-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6V8	6.3	EV-0203-8	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
6W5	6.3	HS-0508-0	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
6W5	6.3	HS-0308-0	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
6W7	6.3	HS-0348-5	4.2	--	P4	D	775	CAP = G.
6Y5	6.3	GR-0504-0	0.0	91	P3	G	----	PLATE NO. 1. NOTE 3.
6Y5	6.3	GR-0304-0	0.0	91	P3	G	----	PLATE NO. 2. NOTE 3.
6Y6	6.3	HS-5348-0	6.5	--	--	C	3150	HOLD DOWN P1 & PRESS P4.
6Y7	6.3	HS-5608-3	1.6	--	P4	D	630	TRIODE NO. 1.
6Y7	6.3	HS-4308-6	1.6	--	P4	D	630	TRIODE NO. 2.
6Z7	6.3	HS-5608-0	0.9	--	P4	E	760	TRIODE NO. 1.
6Z7	6.3	HS-4308-0	0.9	--	P4	E	760	TRIODE NO. 2.
6ZY5	6.3	HS-0508-0	0.0	83	P3	G	----	PLATE NO. 1. NOTE 3.
6ZY5	6.3	HS-0308-0	0.0	83	P3	G	----	PLATE NO. 2. NOTE 3.
7A4	6.3	JR-6207-0	3.7	--	P4	D	1640	
7A5	6.3	JR-6237-0	8.7	--	P4	C	3800	
7A6	6.3	JR-0607-5	0.0	--	P1	E	----	DIODE NO. 1. NOTE 3.
7A6	6.3	JR-0302-5	0.0	--	P1	E	----	DIODE NO. 2. NOTE 3.
7A7	6.3	JR-6237-4	3.0	--	P4	D	1260	
7A8	6.3	JR-6257-4	0.0	--	--	E	630	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
7A8	6.3	JR-4357-6	3.0	--	--	E	315	OSC. SECTION. HOLD DOWN P1 & PRESS P4.
7AB7	6.3	HS-5314-0	1.5	--	P4	D	1150	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
7AD7	6.3	JR-6237-4	0.5	--	P4	C	5350	
7AF7	6.3	JR-5607-0	4.2	--	P4	D	1640	TRIODE NO. 1.
7AF7	6.3	JR-4302-0	4.2	--	P4	D	1640	TRIODE NO. 2.
7AG7	6.3	JR-6237-4	0.9	--	P4	D	1900	
7AH7	6.3	JR-6237-4	0.9	--	P4	D	2100	
7AJ7	6.3	JR-6237-4	1.5	--	P4	D	1430	
7AK7	6.3	JR-6237-4	0.1	--	P4	C	2500	
7B4	6.3	JR-6207-0	0.9	--	P4	D	950	
7B5	6.3	JR-6237-0	9.0	--	P4	E	1000	
7B6	6.3	JR-3207-0	1.3	--	P4	D	700	TRIODE SECTION.
7B6	6.3	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7B6	6.3	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7B7	6.3	JR-6237-4	4.8	--	P4	E	1070	
7B8	6.3	JR-6257-4	0.0	--	--	E	820	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
7B8	6.3	JR-4357-6	0.0	--	--	E	630	OSC. SECTION. HOLD DOWN P1 & PRESS P4.
7C4	6.3	JR-0407-0	0.0	--	P1	E	----	DIODE. NOTE 3.
7C5	6.3	JR-6237-0	5.0	--	P4	C	2600	
7C6	6.3	JR-3207-0	0.4	--	P4	D	570	TRIODE SECTION.
7C6	6.3	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7C6	6.3	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7C7	6.3	JR-6237-4	2.4	--	P4	D	820	
7E5	6.3	JS-1304-0	2.4	--	P4	D	1900	
7E6	6.3	JR-3207-0	4.0	--	P4	D	1200	TRIODE SECTION.
7E6	6.3	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7E6	6.3	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7E7	6.3	JR-6257-0	3.5	--	P4	D	820	PENTODE SECTION.
7E7	6.3	JR-0407-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7E7	6.3	JR-0307-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7F7	6.3	JR-5607-3	0.9	--	P4	E	820	TRIODE NO. 1.
7F7	6.3	JR-4302-6	0.9	--	P4	E	820	TRIODE NO. 2.
7F8	6.3	HS-8605-0	1.1	--	P4	C	3150	TRIODE NO. 1.
7F8	6.3	HS-1304-0	1.1	--	P4	C	3150	TRIODE NO. 2.
7G7	6.3	JR-6237-4	1.1	--	P4	D	2840	
7G8	6.3	JR-5736-2	0.4	--	P4	E	1320	TETRODE NO. 1.
7G8	6.3	JR-4236-7	0.4	--	P4	E	1320	TETRODE NO. 2.
7H7	6.3	JR-6237-4	1.5	--	P4	C	2400	
7J7	6.3	JR-6257-4	1.4	--	P4	D	500	HEPTODE SECTION.
7J7	6.3	JR-4307-5	3.5	--	P4	D	630	TRIODE SECTION.
7K7	6.3	JR-4302-0	0.9	--	P4	D	1000	TRIODE SECTION.
7K7	6.3	JR-0507-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7K7	6.3	JR-0607-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7L7	6.3	JR-6237-4	0.6	--	P4	D	1900	
7N7	6.3	JR-5607-3	4.2	--	P4	D	1640	TRIODE NO. 1.
7N7	6.3	JR-4302-6	4.2	--	P4	D	1640	TRIODE NO. 2.
7Q7	6.3	JR-6237-4	0.0	--	--	D	630	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
7Q7	6.3	JR-4307-6	0.0	--	P4	C	3460	OSC. SECTION.
7R7	6.3	JR-6257-0	1.5	--	P4	D	1900	PENTODE SECTION.
7R7	6.3	JR-0407-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
7R7	6.3	JR-0307-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
7S7	6.3	JR-6257-4	3.0	--	P4	D	950	HEPTODE SECTION.
7S7	6.3	JR-4307-5	2.0	--	P4	D	950	TRIODE SECTION.
7T7	6.3	JR-6237-4	2.1	--	P4	D	1900	
7V7	6.3	JR-6237-4	1.0	--	P4	C	2500	
7W7	6.3	JR-6237-5	1.0	--	P4	C	2500	
7X6	6.3	JR-0607-0	0.0	90	P3	G	----	PLATE NO. 1. NOTE 3.
7X6	6.3	JR-0302-0	0.0	90	P3	G	----	PLATE NO. 2. NOTE 3.
7X7	6.3	JR-3204-0	1.1	--	P4	D	630	TRIODE SECTION.
7X7	6.3	JR-0504-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
7X7	6.3	JR-0607-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
7Y4	6.3	JR-0607-0	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
7Y4	6.3	JR-0307-0	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
7Z4	6.3	JR-0607-0	0.0	78	P3	G	----	PLATE NO. 1. NOTE 3.
7Z4	6.3	JR-0307-0	0.0	78	P3	G	----	PLATE NO. 2. NOTE 3.
8CY7	7.5	EV-7608-0	1.5	--	P4	D	800	TRIODE NO. 1.
8CY7	7.5	EV-2109-0	20.0	--	P4	C	3400	TRIODE NO. 2.
8HA6	7.5	EV-2761-3	0.8	--	P4	B	8200	
8HG8	7.5	EV-2893-0	0.6	--	P4	C	5400	PENTODE SECTION.
8HG8	7.5	EV-6703-0	5.4	--	P4	D	3000	TRIODE SECTION.
8JE8	7.5	EV-7986-0	1.2	--	P4	C	5300	PENTODE SECTION.
8JE8	7.5	EV-2301-0	2.4	--	P4	E	1550	TRIODE SECTION.
8JK8	7.5	EV-7608-9	2.8	--	P4	E	1450	TRIODE NO. 1.
8JK8	7.5	EV-2103-9	1.2	--	P4	C	7200	TRIODE NO. 2.
8JT8	7.5	EV-7986-0	1.6	--	P4	C	5700	PENTODE SECTION. USE 'MIN. & SUB-MIN.' SHORTS POSITION.
8JT8	7.5	EV-2301-0	2.6	--	P4	E	950	TRIODE SECTION.
8JU8	7.5	EV-0809-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
8JU8	7.5	EV-0708-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
8JU8	7.5	EV-0203-0	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
8JU8	7.5	EV-0102-0	0.0	0	P1	G	----	DIODE NO. 4. NOTE 3.
8KS8	7.5	EV-7986-0	2.8	--	P4	C	4000	PENTODE SECTION.
8KS8	7.5	EV-2301-0	1.2	--	P4	D	2500	TRIODE SECTION.
8LE8	7.5	EV-9683-7	2.0	--	P4	E	800	PENTODE NO. 1.
8LE8	7.5	EV-9183-2	2.0	--	P4	E	800	PENTODE NO. 2.
9BR7	10.0	EV-2103-0	1.6	--	P4	D	2500	TRIODE SECTION.
9BR7	10.0	EV-0708-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
9BR7	10.0	EV-0608-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
9CL8	10.0	EV-9678-0	1.0	--	P4	D	2500	TETRODE SECTION.
9CL8	10.0	EV-1203-0	0.7	--	P4	C	5000	TRIODE SECTION.
9DZ8	10.0	EV-3672-0	6.8	--	P4	C	3400	PENTODE SECTION.
9DZ8	10.0	EV-1908-0	2.6	--	P4	E	450	TRIODE SECTION.
9U8	10.0	EV-2637-0	0.8	--	P4	D	2400	PENTODE SECTION.
9U8	10.0	EV-9108-0	1.0	--	P4	C	5350	TRIODE SECTION.
9X8	10.0	EV-7986-1	1.2	--	P4	C	2900	PENTODE SECTION.
9X8	10.0	EV-2306-1	2.0	--	P4	C	3650	TRIODE SECTION.
10	7.5	ER-3200-0	11.8	--	P4	E	790	NOTE 6.
10C8	10.0	EV-8679-0	1.0	--	P4	C	4100	PENTODE SECTION.
10C8	10.0	EV-2103-0	1.4	--	P4	D	2800	TRIODE SECTION.
10DA7	10.0	EV-7608-0	3.4	--	P4	D	1650	TRIODE NO. 1.
10DA7	10.0	EV-3109-0	15.0	--	P4	C	3700	TRIODE NO. 2.
10EB8	10.0	EV-7986-0	0.8	--	P4	C	5000	PENTODE SECTION.
10EB8	10.0	EV-2301-0	0.6	--	P4	E	1400	TRIODE SECTION.
10EW7	10.0	EV-7608-0	5.4	--	P4	E	1200	TRIODE NO. 1.
10EW7	10.0	EV-2109-0	17.0	--	P4	C	5000	TRIODE NO. 2.
10FD7	10.0	EV-7608-0	0.8	--	P4	E	1000	TRIODE NO. 1.
10FD7	10.0	EV-2109-0	3.4	--	P4	C	4700	TRIODE NO. 2.
10FR7	10.0	EV-7608-0	1.6	--	P4	D	1000	TRIODE NO. 1.
10FR7	10.0	EV-3109-0	17.0	--	P4	C	6000	TRIODE NO. 2.
10HA6	10.0	EV-2761-3	0.8	--	P4	B	8200	
11C5	10.0	ET-2761-0	1.5	--	--	C	3650	HOLD DOWN P1 & PRESS P4.
12A	5.0	ER-3200-0	14.0	--	P4	E	1040	NOTE 6.
12A4	12.6	EV-2901-0	4.8	--	P4	C	4900	
12A5	12.6	HR-4235-0	18.0	--	P4	D	1130	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
12AD7	12.6	EV-2103-0	1.3	--	P4	D	875	TRIODE NO. 2.
12AE6	12.6	ET-0702-1	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 800 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12AE6	12.6	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12AE6	12.6	ET-0502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12AE7	12.6	EV-0608-7	0.0	--	P1	E	----	TRIODE NO. 1. MAKE NO GAS TEST. NOTE 3.
12AE7	12.6	EV-0103-2	0.0	0	P1	G	----	TRIODE NO. 2. MAKE NO GAS TEST. NOTE 3.
12AF6	12.6	ET-1567-2	4.4	--	P4	D	725	PLATE VOLTS = LOW.
12AG6	12.6	ET-7652-1	2.0	--	P1	C	----	OK ABOVE DIODES OK. MAKE NO GAS TEST. NOTE 3.
12AH7	12.6	HY-5604-3	4.0	--	P4	D	1500	TRIODE NO. 1.
12AH7	12.6	HY-1302-6	4.0	--	P4	D	1500	TRIODE NO. 2.
12AJ6	12.6	ET-0702-1	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 500 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12AJ6	12.6	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12AJ6	12.6	ET-0502-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12AL8	12.6	EV-0367-2	0.0	15	P1	G	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12AL8	12.6	EV-0109-8	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 600 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3.
12AS5	12.6	ET-2761-0	10.5	--	P4	C	3530	
12AU8	12.6	EV-7986-0	1.0	--	P4	C	4400	PENTODE SECTION.
12AU8	12.6	EV-2301-0	1.5	--	P4	C	3100	TRIODE SECTION.
12AV7	12.6	EV-7608-2	1.2	--	P4	C	5350	TRIODE NO. 1.
12AV7	12.6	EV-2103-7	1.2	--	P4	C	5350	TRIODE NO. 2.
12AW6	12.6	ET-1562-7	1.0	--	P4	C	3000	
12AX4	12.6	HY-0503-0	0.0	89	P3	G	----	NOTE 3.
12B7	12.6	JR-6237-4	3.0	--	P4	D	1260	
12B8	12.6	HS-0341-0	4.3	--	P4	D	1140	PENTODE SECTION. CAP = G.
12B8	12.6	HS-8506-0	0.8	--	P4	D	1260	TRIODE SECTION.
12BH7	12.6	EV-7608-2	5.2	--	P4	D	1950	TRIODE NO. 1.
12BH7	12.6	EV-2103-7	5.2	--	P4	D	1950	TRIODE NO. 2.
12BK5	12.6	EV-3186-0	0.0	--	P4	C	4700	
12BK6	12.6	ET-1702-5	0.8	--	P4	D	790	TRIODE SECTION.
12BK6	12.6	ET-0602-5	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
12BK6	12.6	ET-0502-7	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
12BL6	12.6	ET-2657-1	3.0	--	P1	C	----	MAKE NO GAS TEST. NOTE 3.
12BR7	12.6	EV-2103-0	1.6	--	P4	D	2500	TRIODE SECTION.
12BR7	12.6	EV-0708-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
12BR7	12.6	EV-0608-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
12BT6	12.6	ET-1702-0	2.1	--	P4	D	820	TRIODE SECTION.
12BT6	12.6	ET-1602-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
12BT6	12.6	ET-1502-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
12BU6	12.6	ET-1702-0	6.0	--	P4	E	950	TRIODE SECTION.
12BU6	12.6	ET-1602-0	0.0	--	P1	C	----	DIODE NO. 1. NOTE 3.
12BU6	12.6	ET-1502-0	0.0	--	P1	C	----	DIODE NO. 2. NOTE 3.
12BV7	12.6	EV-2781-3	1.6	--	P4	C	5650	
12BW4	12.6	EV-0709-1	0.0	75	P3	G	----	PLATE NO. 1. NOTE 3.
12BW4	12.6	EV-0109-7	0.0	75	P3	G	----	PLATE NO. 2. NOTE 3.
12BZ7	12.6	EV-7608-0	1.2	--	P4	D	2000	TRIODE NO. 1.
12BZ7	12.6	EV-2103-0	1.2	--	P4	D	2000	TRIODE NO. 2.
12C8	12.6	HS-0368-1	4.0	--	P4	D	725	PENTODE SECTION. CAP = G.
12C8	12.6	HS-0508-3	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12C8	12.6	HS-0408-3	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12CM6	12.6	EV-3917-0	3.3	--	P4	D	2600	
12CN5	12.6	ET-0671-2	0.0	--	P1	C	----	MAKE NO GAS TEST. NOTE 3.
12CT8	12.6	EV-8679-0	1.0	--	P4	C	4400	PENTODE SECTION.
12CT8	12.6	EV-2103-0	1.5	--	P4	C	3100	TRIODE SECTION.
12CX6	12.6	ET-2657-1	0.0	--	P1	C	----	MAKE NO GAS TEST. NOTE 3.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
12DE8	12.6	EV-7869-1	0.0	--	P1	D	----	PENTODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DE8	12.6	EV-0302-0	0.0	0	P1	G	----	DIODE SECTION. NOTE 3.
12DF5	12.6	EV-0608-0	0.0	75	P3	G	----	PLATE NO. 1. NOTE 3.
12DF5	12.6	EV-0103-0	0.0	75	P3	G	----	PLATE NO. 2. NOTE 3.
12DF7	12.6	EV-7608-0	1.3	--	P4	D	875	TRIODE NO. 1.
12DF7	12.6	EV-2103-0	1.3	--	P4	D	875	TRIODE NO. 2.
12DK6	12.6	ET-1562-7	1.0	--	P4	C	4400	
12DK7	12.6	EV-0372-1	0.0	--	P1	E	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DK7	12.6	EV-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12DK7	12.6	EV-0902-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12DL8	12.6	EV-0362-7	0.0	10	P1	G	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DL8	12.6	EV-0908-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12DL8	12.6	EV-0108-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12DQ4	12.6	JX-0503-0	0.0	80	P3	G	----	NOTE 3.
12DQ7	12.6	EV-2781-3	1.6	--	P4	C	5000	
12DS7	12.6	EV-7368-0	0.0	18	P1	G	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DS7	12.6	EV-0908-0	0.0	0	P1	C	----	DIODE NO. 1. NOTE 3.
12DS7	12.6	EV-0108-0	0.0	0	P1	C	----	DIODE NO. 2. NOTE 3.
12DU7	12.6	EV-0362-1	0.0	0	P1	B	----	TETRODE SECTION. OK ABOVE 4000 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DU7	12.6	EV-0902-0	0.0	0	P1	D	----	DIODE NO. 1. OK ABOVE 1000 ON 6000 SCALE. NOTE 3.
12DU7	12.6	EV-0702-0	0.0	0	P1	D	----	DIODE NO. 2. OK ABOVE 1000 ON 6000 SCALE. NOTE 3.
12DV7	12.6	EV-0608-7	0.0	0	P1	D	----	TRIODE SECTION. OK ABOVE 800 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DV7	12.6	EV-0301-0	0.0	0	P1	D	----	DIODE NO. 1. OK ABOVE 1000 ON 6000 SCALE. NOTE 3.
12DV7	12.6	EV-0201-0	0.0	0	P1	D	----	DIODE NO. 2. OK ABOVE 1000 ON 6000 SCALE. NOTE 3.
12DV8	12.6	EV-0362-7	0.0	9	P1	G	----	TETRODE SECTION. OK ABOVE 600 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DV8	12.6	EV-0908-0	0.0	0	P1	G	----	DIODE NO. 1. OK ABOVE 250 ON 3000 SCALE. NOTE 3.
12DV8	12.6	EV-0108-0	0.0	0	P1	G	----	DIODE NO. 2. OK ABOVE 250 ON 3000 SCALE. NOTE 3.
12DW5	12.6	EV-3917-0	12.0	--	P4	C	3500	
12DW8	12.6	EV-7608-0	4.0	--	P1	C	----	TRIODE NO. 1. OK ABOVE 6000 ON 15000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DW8	12.6	EV-2103-0	0.0	--	P1	B	----	TRIODE NO. 2. OK ABOVE 14000 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DW8	12.6	EV-0908-0	0.0	--	P1	B	----	DIODE SECTION. OK ABOVE 9500 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DY8	12.6	EV-0362-1	0.0	--	P1	E	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12DY8	12.6	EV-0807-9	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 1300 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12DZ6	12.6	ET-2657-1	0.0	--	P1	B	----	MAKE NO GAS TEST. NOTE 3.
12DZ8	12.6	EV-3672-0	6.8	--	P4	C	3400	PENTODE SECTION.
12DZ8	12.6	EV-1908-0	2.6	--	P4	E	450	TRIODE SECTION.
12EA6	12.6	ET-2657-1	0.0	--	P1	B	----	MAKE NO GAS TEST. NOTE 3.
12EC8	12.6	EV-0768-9	0.0	--	P1	D	----	PENTODE SECTION. MAKE NO GAS TEST. NOTE 3.
12EC8	12.6	EV-0203-1	0.0	--	P1	C	----	TRIODE SECTION. OK ABOVE 5000 ON 15000 SCALE. MAKE NO GAS TEST. NOTE 3.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
12E05	12.6	DU-2761-0	0.0	--	--	C	5300	HOLD DOWN P1 & PRESS P4. MAKE NO GAS TEST. NOTE 3. MAKE NO GAS TEST. NOTE 3. TRIODE SECTION. OK ABOVE 250 ON 600 SCALE. MAKE NO GAS TEST. NOTE 3.
12EG6	12.6	ET-7652-1	0.0	--	P1	B	----	
12EH5	12.6	ET-2761-0	1.2	--	P4	C	6300	
12EK6	12.6	ET-2657-1	0.0	--	P1	B	----	
12EL6	12.6	ET-0207-1	0.0	--	P1	F	----	
12EL6	12.6	ET-0607-0	0.0	--	P1	D	----	DIODE NO. 1. OK ABOVE 1200 ON 6000 SCALE. NOTE 3. DIODE NO. 2. OK ABOVE 1200 ON 6000 SCALE. NOTE 3.
12EL6	12.6	ET-0507-0	0.0	--	P1	D	----	
12EM6	12.6	EV-0362-1	0.0	--	P1	E	----	TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12EM6	12.6	EV-0902-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
12EN6	12.6	HS-5348-0	11.0	--	P4	C	3500	
12EQ7	12.6	EV-2763-1	2.6	--	P4	E	850	PENTODE SECTION. DIODE SECTION. NOTE 3. OK ABOVE 1500 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3.
12EQ7	12.6	EV-0803-0	0.0	--	P1	D	----	
12EZ6	12.6	ET-2657-1	0.0	--	P1	C	----	
12F5	12.6	HS-0408-0	0.9	--	P4	D	950	CAP = G. PENTODE SECTION. OK ABOVE 1000 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12F8	12.6	EV-9237-8	3.0	--	P1	D	----	
12F8	12.6	EV-0607-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3. TRIODE SECTION. MAKE NO GAS TEST. NOTE 3.
12F8	12.6	EV-0107-0	0.0	--	P1	D	----	
12FK6	12.6	ET-1702-0	0.4	--	P1	D	----	
12FK6	12.6	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3.
12FK6	12.6	ET-0502-0	0.0	--	P1	D	----	
12FM6	12.6	ET-0702-1	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 2000 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12FM6	12.6	ET-0602-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3.
12FM6	12.6	ET-0502-0	0.0	--	P1	D	----	
12FR8	12.6	EV-3670-0	2.0	21	P1	G	----	PENTODE SECTION. MAKE NO GAS TEST. NOTES 3 & 6.
12FR8	12.6	EV-1902-0	3.0	--	P1	F	----	TRIODE SECTION. MAKE NO GAS TEST. NOTE 3.
12FR8	12.6	EV-0802-0	0.0	--	P1	D	----	DIODE SECTION. SHORT ON 1 & 2. NOTE 3.
12FT6	12.6	ET-1702-0	0.0	--	P1	D	----	TRIODE SECTION. OK ABOVE 2100 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12FT6	12.6	ET-0602-0	0.0	--	P1	C	----	DIODE NO. 1. MAKE NO GAS TEST. NOTE 3.
12FT6	12.6	ET-0502-0	0.0	--	P1	C	----	DIODE NO. 2. MAKE NO GAS TEST. NOTE 3.
12FV7	12.6	EV-7608-0	4.1	--	P4	C	5500	TRIODE NO. 1.
12FV7	12.6	EV-2103-0	4.1	--	P4	C	5500	TRIODE NO. 2. HEPTODE SECTION. MAKE NO GAS TEST. NOTE 3.
12FX8	12.6	EV-9137-2	6.0	--	P1	C	----	
12FX8	12.6	EV-6800-0	6.0	--	P1	E	----	TRIODE SECTION. MAKE NO GAS TEST. NOTES 3 & 6.
12G4	12.6	ET-6107-0	3.7	--	P4	D	1540	TRIODE NO. 1. MAKE NO GAS TEST. NOTE 3.
12G8	12.6	EV-0607-8	0.0	--	P1	E	----	
12G8	12.6	EV-0102-3	0.0	--	P1	C	----	TRIODE NO. 2. MAKE NO GAS TEST. NOTE 3.
12GA6	12.6	ET-7652-1	2.0	--	P1	D	----	MAKE NO GAS TEST. NOTE 3. DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3.
12H6	12.6	HS-0508-1	0.0	0	P1	G	----	
12H6	12.6	HS-0304-1	0.0	0	P1	G	----	
12J5	12.6	HS-5308-1	3.7	--	P4	D	1640	
12J7	12.6	HS-0348-5	4.0	--	P4	E	770	CAP = G. TETRODE SECTION. MAKE NO GAS TEST. NOTE 3.
12J8	12.6	EV-0362-1	0.0	--	P1	E	----	
12J8	12.6	EV-0907-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3.
12J8	12.6	EV-0807-0	0.0	0	P1	G	----	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
12K7	12.6	HS-0348-5	2.8	--	P4	E	910	CAP = G.
12K8	12.6	HS-5348-6	1.1	--	P4	D	630	HEXODE SECTION. CAP = G.
12K8	12.6	HS-5608-4	2.0	--	P4	D	1900	TRIODE SECTION.
12KL8	12.6	EV-2763-1	0.0	--	--	D	1950	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
12KL8	12.6	EV-0803-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
12L6	12.6	HS-5348-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
12L8	12.6	HW-1852-3	3.0	--	P4	D	1350	PENTODE NO. 1.
12L8	12.6	HW-3452-1	3.0	--	P4	D	1350	PENTODE NO. 2.
12Q7	12.6	HS-0308-0	2.3	--	P4	E	500	TRIODE SECTION. CAP = G.
12Q7	12.6	HS-0508-3	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12Q7	12.6	HS-0408-3	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12R5	12.6	ET-2761-0	2.0	--	--	C	4400	HOLD DOWN P1 & PRESS P4.
12S8	12.6	HY-0602-0	0.8	--	P4	E	570	TRIODE SECTION. CAP = G.
12S8	12.6	HY-0305-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12S8	12.6	HY-0402-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12S8	12.6	HY-0102-0	0.0	--	P1	D	----	DIODE NO. 3. NOTE 3.
12SA7	12.6	HS-8346-5	0.0	--	--	D	760	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
12SA7	12.6	HS-5406-8	0.0	--	P4	C	2840	OSC. SECTION.
12SC7	12.6	HY-4506-2	0.9	--	P4	D	830	TRIODE NO. 1.
12SC7	12.6	HY-3206-5	0.9	--	P4	D	830	TRIODE NO. 2.
12SF5	12.6	HY-3502-0	0.9	--	P4	D	950	
12SF7	12.6	HY-2643-1	0.9	--	P4	D	1260	PENTODE SECTION.
12SF7	12.6	HY-0503-6	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
12SG7	12.6	HS-4865-1	0.8	--	P4	C	2500	
12SH7	12.6	HS-4865-1	0.6	--	P4	C	2500	
12SJ7	12.6	HS-4865-3	3.3	--	P4	D	1040	
12SK7	12.6	HS-4865-3	2.0	--	P4	D	1260	
12SL7	12.6	HY-4506-2	0.4	--	P4	D	1000	TRIODE NO. 1.
12SL7	12.6	HY-1203-5	0.4	--	P4	D	1000	TRIODE NO. 2.
12SQ7	12.6	HY-2603-1	1.1	--	P4	D	700	TRIODE SECTION.
12SQ7	12.6	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12SQ7	12.6	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12SR7	12.6	HY-2603-1	4.5	--	P4	D	1200	TRIODE SECTION.
12SR7	12.6	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12SR7	12.6	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12SW7	12.6	HY-2603-1	4.5	--	P4	D	1200	TRIODE SECTION.
12SW7	12.6	HY-0503-6	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
12SW7	12.6	HY-0403-6	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
12SX7	12.6	HY-4506-2	3.7	--	P4	D	1640	TRIODE NO. 1.
12SX7	12.6	HY-1203-5	3.7	--	P4	D	1640	TRIODE NO. 2.
12SY7	12.6	HS-8346-5	0.0	--	--	D	760	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
12SY7	12.6	HS-5406-8	0.0	--	P4	C	2840	OSC. SECTION.
12U7	12.6	EV-0608-7	0.0	--	P1	D	----	TRIODE NO. 1. OK ABOVE 900 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12U7	12.6	EV-0103-2	0.0	--	P1	D	----	TRIODE NO. 2. OK ABOVE 900 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3.
12Z3	12.6	ER-0203-0	0.0	88	P3	G	----	NOTE 3.
13FR7	12.6	EV-7608-0	1.6	--	P4	D	1000	TRIODE NO. 1.
13FR7	12.6	EV-3109-0	17.0	--	P4	C	6000	TRIODE NO. 2.
14A4	12.6	JR-6207-0	3.7	--	P4	D	1640	
14A5	12.6	JR-6237-0	1.3	--	P4	D	1900	
14A7	12.6	JR-6237-4	3.0	--	P4	D	1260	
14AF7	12.6	JR-5607-0	4.2	--	P4	D	1640	TRIODE NO. 1.
14AF7	12.6	JR-4302-0	4.2	--	P4	D	1640	TRIODE NO. 2.
14B6	12.6	JR-3207-0	1.3	--	P4	D	700	TRIODE SECTION.
14B6	12.6	JR-0607-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
14B6	12.6	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
14B8	12.6	JR-6257-4	0.0	--	--	E	820	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
14B8	12.6	JR-4357-6	0.0	--	--	E	725	OSC. SECTION. HOLD DOWN P1 & PRESS P4.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
14C5	12.6	JR-6237-0	5.0	--	P4	C	2600	TRIODE SECTION. DIODE NO. 1. NOTE 3.
14C7	12.6	JR-6237-4	1.1	--	P4	D	1430	
14E6	12.6	JR-3207-0	4.0	--	P4	D	1200	
14E6	12.6	JR-0607-2	0.0	--	P1	D	----	
14E6	12.6	JR-0507-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
14E7	12.6	JR-6257-0	3.5	--	P4	D	820	PENTODE SECTION.
14E7	12.6	JR-0407-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
14E7	12.6	JR-0307-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
14F7	12.6	JR-5607-3	0.9	--	P4	E	820	TRIODE NO. 1.
14F7	12.6	JR-4302-6	0.9	--	P4	E	820	TRIODE NO. 2.
14F8	12.6	HS-8605-0	1.1	--	P4	C	3150	TRIODE NO. 1.
14F8	12.6	HS-1304-0	1.1	--	P4	C	3150	TRIODE NO. 2.
14H7	12.6	JR-6237-4	1.5	--	P4	C	2400	HEPTODE SECTION.
14J7	12.6	JR-6257-4	1.4	--	P4	D	500	
14J7	12.6	JR-4307-5	3.5	--	P4	D	630	TRIODE SECTION.
14N7	12.6	JR-5607-3	4.2	--	P4	D	1640	TRIODE NO. 1.
14N7	12.6	JR-4302-6	4.2	--	P4	D	1640	TRIODE NO. 2.
14Q7	12.6	JR-6237-4	0.0	--	--	D	630	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
14Q7	12.6	JR-4307-6	0.0	--	P4	C	3460	OSC. SECTION.
14R7	12.6	JR-6257-0	1.5	--	P4	D	1900	PENTODE SECTION.
14R7	12.6	JR-0407-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
14R7	12.6	JR-0307-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
14S7	12.6	JR-6257-4	3.0	--	P4	D	950	HEPTODE SECTION.
14S7	12.6	JR-4307-5	2.0	--	P4	D	950	TRIODE SECTION.
14V7	12.6	JR-6237-4	1.0	--	P4	C	2500	TRIODE SECTION. DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3.
14W7	12.6	JR-6237-5	1.0	--	P4	C	2500	
14X7	12.6	JR-3204-0	1.1	--	P4	D	630	
14X7	12.6	JR-0504-0	0.0	0	P1	G	----	
14X7	12.6	JR-0607-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
14Y4	12.6	JR-0607-0	0.0	83	P3	G	----	PLATE NO. 1. NOTE 3.
14Y4	12.6	JR-0307-0	0.0	83	P3	G	----	PLATE NO. 2. NOTE 3.
14Z3	12.6	ER-0203-0	0.0	88	P3	G	----	NOTE 3.
15	2.0	FR-0234-0	0.0	--	--	E	440	CAP = G. HOLD DOWN P1 & PRESS P4.
15A6	12.6	EV-2713-6	1.0	--	P4	C	6300	
15EA7	12.6	JX-4506-0	3.2	--	P4	E	410	TRIODE NO. 1. SET 'POWER ADJUST' TO 115 VOLTS.
15EA7	12.6	JX-1203-0	18.0	--	P4	C	6000	TRIODE NO. 2.
15EW6	12.6	ET-1562-7	1.0	--	P4	C	7600	KEEP POWER ADJUSTED AT 112 VOLTS.
17A5	20.0	HS-1583-0	6.0	--	P4	C	3450	KEEP POWER ADJUSTED AT 80 VOLTS.
17CA5	20.0	ET-2761-0	1.5	--	P4	C	3150	KEEP POWER ADJUSTED AT 80 VOLTS.
17DQ4	20.0	JX-0503-0	0.0	80	P3	G	----	NOTE 3.
17HC8	20.0	EV-3672-0	2.6	--	P4	D	3200	PENTODE SECTION. SET 'POWER ADJUST' AT 80 VOLTS.
17HC8	20.0	EV-1908-0	0.6	--	P4	E	1250	TRIODE SECTION.
17JK8	20.0	EV-7608-9	2.8	--	P4	E	1450	TRIODE NO. 1. SET 'POWER ADJUST' AT 80 VOLTS.
17JK8	20.0	EV-2103-9	1.2	--	P4	C	7200	TRIODE NO. 2.
17L6	20.0	HS-5348-0	1.0	--	--	C	3800	HOLD DOWN P1 & PRESS P4.
17R5	20.0	ET-2761-0	2.0	--	--	C	3150	KEEP POWER ADJUSTED AT 80 VOLTS.
18DZ8	20.0	EV-3672-0	6.8	--	P4	C	3400	HOLD DOWN P1 & PRESS P4.
18DZ8	20.0	EV-1908-0	2.6	--	P4	E	450	PENTODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION.
18HB8	20.0	EV-9768-0	6.0	--	P4	D	2700	TRIODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION.
18HB8	20.0	EV-1302-0	1.4	--	P4	D	2300	TRIODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION.
19	2.0	GR-4500-0	4.8	--	P4	E	630	TRIODE NO. 1.
19	2.0	GR-3200-0	4.8	--	P4	E	630	TRIODE NO. 2.
19BG6	20.0	HS-5083-0	4.5	--	P4	C	3800	CAP = P.
19C8	20.0	EV-8907-0	1.7	--	P4	D	790	TRIODE SECTION.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
19C8	20.0	EV-8607-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
19C8	20.0	EV-8203-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
19C8	20.0	EV-8107-0	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
19DE7	20.0	EV-7608-0	5.0	--	P4	E	1260	TRIODE NO. 1.
19DE7	20.0	EV-2109-0	19.0	--	P4	C	3800	TRIODE NO. 2.
19J6	20.0	ET-5207-6	1.8	--	P4	C	3340	TRIODE NO. 1.
19J6	20.0	ET-6107-5	1.8	--	P4	C	3340	TRIODE NO. 2.
19T8	20.0	EV-8907-6	1.3	--	P4	E	750	TRIODE SECTION.
19T8	20.0	EV-0607-1	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
19T8	20.0	EV-0203-7	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
19T8	20.0	EV-0107-8	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
19V8	20.0	EV-6103-8	2.2	--	P4	D	760	TRIODE SECTION.
19V8	20.0	EV-0903-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
19V8	20.0	EV-0708-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
19V8	20.0	EV-0203-8	0.0	0	P1	G	----	DIODE NO. 3. NOTE 3.
19X3	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
19Y3	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
20EQ7	20.0	EV-2763-1	2.6	--	P4	E	850	PENTODE SECTION.
20EQ7	20.0	EV-0803-0	0.0	--	P1	D	----	DIODE SECTION. NOTE 3.
21A6	20.0	EV-2083-9	13.0	--	P4	C	3800	CAP = P.
21EX6	20.0	HS-5083-0	18.0	--	P4	C	4400	CAP = P. TUBES INDICATING SHORTS# RE-TEST USING HS-5013-0.
22	3.0	ER-0230-0	3.7	--	--	E	315	CAP = G. HOLD DOWN P1 & PRESS P4.
24A	2.5	FR-0234-0	6.0	--	P4	D	630	CAP = G.
25A6	25.0	HS-5348-0	11.4	--	P4	D	1450	
25A7	25.0	HS-5348-6	13.0	--	P4	D	1130	PENTODE SECTION.
25A7	25.0	HS-0601-3	0.0	89	P3	G	----	RECT. SECTION. NOTE 3.
25AC5	25.0	HS-5308-0	0.9	--	P4	D	950	
25B5	25.0	GR-4235-0	0.0	--	P4	E	1570	
25B6	25.0	HS-5348-0	17.0	--	P4	D	2500	
25B8	25.0	HS-0341-0	3.5	--	P4	E	1260	PENTODE SECTION. CAP = G.
25B8	25.0	HS-8506-0	0.9	--	P4	E	950	TRIODE SECTION.
25C6	25.0	HS-5348-0	6.5	--	--	C	3150	HOLD DOWN P1 & PRESS P4.
25CU6	25.0	HS-5048-0	12.0	--	P4	C	3500	CAP = P.
25D8	25.0	HS-0341-0	3.0	--	P4	D	1200	PENTODE SECTION. CAP = G.
25D8	25.0	HS-5601-0	1.1	--	P4	D	700	TRIODE SECTION.
25D8	25.0	HS-5801-0	0.0	--	P1	C	----	DIODE SECTION. NOTE 3.
25DK4	25.0	ET-0507-0	0.0	90	P3	G	----	NOTE 3.
25DQ6	25.0	HS-5048-0	0.0	--	P4	C	5000	CAP = P. PLATE VOLTS = LOW.
25DT5	25.0	EV-3917-0	4.4	--	P4	C	3450	
25N6	25.0	HS-5348-0	2.5	--	P4	D	1570	
25W6	25.0	HS-5348-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
25Y5	25.0	GR-0504-0	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
25Y5	25.0	GR-0203-0	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
25Z5	25.0	GR-0504-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
25Z5	25.0	GR-0203-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
25Z6	25.0	HS-0508-1	0.0	90	P3	G	----	PLATE NO. 1. NOTE 3.
25Z6	25.0	HS-0304-1	0.0	90	P3	G	----	PLATE NO. 2. NOTE 3.
26A6	25.0	ET-1567-2	1.2	--	P4	D	2500	
26	1.4	ER-3200-0	10.2	--	P4	E	725	NOTE 6.
26A7	25.0	HW-1852-3	2.0	--	P4	C	3450	PENTODE NO. 1. PLATE VOLTS = LOW.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
26Z5W	25.0	EV-0103-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
27	2.5	FR-3204-0	11.0	--	P4	C	630	
30	2.0	ER-3200-0	10.2	--	P4	E	570	NOTE 6.
31	2.0	ER-3200-0	11.4	--	P4	E	580	NOTE 6.
32	2.0	ER-0230-0	3.0	--	--	E	400	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
32L7	35.0	HS-5348-0	10.0	--	P4	D	3000	AMPL. SECTION.
32L7	35.0	HS-0601-3	0.0	89	P3	G	----	RECT. SECTION. NOTE 3.
33	2.0	FR-3240-0	7.3	--	P4	E	900	NOTE 6.
RK33	6.3	HR-4506-0	7.5	--	P4	E	870	TRIODE NO. 1.
RK33	6.3	HR-0302-0	7.5	--	P4	E	870	TRIODE NO. 2. CAP = G.
34	2.0	ER-0230-0	2.1	--	--	E	380	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
35	2.5	FR-0234-0	4.0	--	P4	E	650	CAP = G.
35A5	35.0	JR-6237-0	1.5	--	--	C	3650	HOLD DOWN P1 & PRESS P4.
35CD6	35.0	HS-5083-0	18.0	--	P4	C	4100	CAP = P.
35DZ8	35.0	EV-3672-0	6.8	--	P4	C	3400	PENTODE SECTION.
35DZ8	35.0	EV-1908-0	2.6	--	P4	E	450	TRIODE SECTION.
35Y4	BLST	JR-0247-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
35Y4	35.0	JR-0207-0	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
35Z3	35.0	JR-0207-0	0.0	91	P3	G	----	NOTE 3.
35Z4	35.0	HS-0508-0	0.0	91	P3	G	----	NOTE 3.
35Z6	35.0	HS-0508-0	0.0	91	P3	G	----	PLATE NO. 1. NOTE 3.
35Z6	35.0	HS-0304-0	0.0	91	P3	G	----	PLATE NO. 2. NOTE 3.
36	6.3	FR-0234-0	4.0	--	P4	D	660	CAP = G.
37	6.3	FR-3204-0	10.6	--	P4	E	570	
38	6.3	FR-0234-0	8.7	--	P4	E	660	CAP = G.
39/44	6.3	FR-0234-0	5.0	--	P4	E	630	CAP = G.
40	5.0	ER-3200-0	3.0	--	P4	F	125	NOTE 6.
40Z5	BLST	HS-0538-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
40Z5	50.0	HS-0508-0	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
41	6.3	GR-4235-0	9.0	--	P4	E	1000	
42	6.3	GR-4235-0	1.7	--	P4	D	1640	
43	25.0	GR-4235-0	14.0	--	P4	D	1450	
45	2.5	ER-3200-0	18.0	--	P4	E	1170	NOTE 6.
45Z3	50.0	HR-0204-0	0.0	90	P3	G	----	NOTE 3.
45Z5	BLST	HS-0538-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
45Z5	50.0	HS-0508-0	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
46	2.5	FR-3240-0	5.6	--	P4	E	1250	NOTE 6.
47	2.5	FR-3240-0	3.5	--	P4	E	1250	NOTE 6.
48	25.0	GR-4235-0	25.0	--	P4	D	1260	
49	2.0	FR-3240-0	12.6	--	P4	E	710	NOTE 6.
50	7.5	ER-3200-0	24.0	--	P4	E	950	NOTE 6.
50A5	50.0	JR-6237-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
50B5	50.0	ET-1562-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
50BK5	50.0	EV-3186-0	0.0	--	P4	C	4700	
50C6	50.0	HS-5348-1	6.5	--	--	C	3150	HOLD DOWN P1 & PRESS P4.
50CA5	50.0	DU-2761-0	0.0	--	--	C	5300	HOLD DOWN P1 & PRESS P4.
50FA5	50.0	ET-2761-0	9.8	--	P4	D	2950	
50FY8	50.0	EV-3672-0	10.0	--	P4	C	3400	PENTODE SECTION.
50FY8	50.0	EV-1908-0	3.0	--	P4	E	940	TRIODE SECTION.
50L6	50.0	HS-5348-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
50X6	50.0	JR-0607-5	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
50X6	50.0	JR-0302-5	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
50Y6	50.0	HS-0508-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
50Y6	50.0	HS-0304-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
50Y7	BLST	HS-0060-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
50Y7	50.0	HS-0508-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
50Y7	50.0	HS-0304-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
50Z7	BLST	HS-0060-0	--	--	--	-	----	SHORT ON 1-2-3-5 & A-C.
50Z7	50.0	HS-0508-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
50Z7	50.0	HS-0304-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
51/51S	2.5	FR-0234-0	4.0	--	P4	E	640	CAP = G.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
52	6.3	FR-3240-0	4.2	--	P4	E	1500	NOTE 6.
53	2.5	HR-5604-2	2.3	--	P4	E	950	TRIODE NO. 1.
53	2.5	HR-3204-6	2.3	--	P4	E	950	TRIODE NO. 2.
55	2.5	GR-0205-0	12.5	--	P4	E	610	TRIODE SECTION. CAP = G.
55	2.5	GR-0405-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
55	2.5	GR-0305-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
56	2.5	FR-3204-0	6.2	--	P4	E	920	
57	2.5	GR-0235-4	3.7	--	P4	E	770	CAP = G.
57A	6.3	GR-0235-4	3.3	--	P4	E	770	CAP = G. 3
58	2.5	GR-0235-4	4.0	--	P4	E	900	CAP = G.
58A/58AS	6.3	GR-0235-4	4.0	--	P4	E	900	CAP = G.
59	2.5	HR-4236-5	3.5	--	P4	D	1260	
VT67	2.0	ER-3200-0	9.1	--	P4	E	570	NOTE 6.
HY69	6.3	FR-3024-0	0.0	--	P4	C	3150	CAP = P. NOTE 6.
70L7	75.0	HS-5346-0	1.5	--	--	C	4400	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
70L7	75.0	HS-0801-3	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
71A	5.0	ER-3200-0	25.0	--	P4	E	1040	NOTE 6.
75	6.3	GR-0205-0	1.1	--	P4	E	470	TRIODE SECTION. CAP = G.
75	6.3	GR-0405-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
75	6.3	GR-0305-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
76	6.3	FR-3204-0	6.2	--	P4	E	920	
77	6.3	GR-0235-4	3.3	--	P4	E	770	CAP = G.
78	6.3	GR-0235-4	4.0	--	P4	E	900	CAP = G.
79	6.3	GR-0504-0	1.6	--	P4	D	630	TRIODE NO. 1. CAP = G.
79	6.3	GR-3204-0	1.6	--	P4	D	630	TRIODE NO. 2.
81	7.5	ER-0200-0	0.0	50	P3	G	----	NOTES 3 & 6.
82	2.5	ER-0300-0	0.0	91	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
82	2.5	ER-0200-0	0.0	91	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
83V	5.0	ER-0300-0	0.0	89	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
83V	5.0	ER-0200-0	0.0	89	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
84	6.3	FR-0304-0	0.0	88	P3	G	----	PLATE NO. 1. NOTE 3.
84	6.3	FR-0204-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
85	6.3	GR-0205-0	10.2	--	P4	E	620	TRIODE SECTION. CAP = G.
85	6.3	GR-0405-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
85	6.3	GR-0305-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
85AS	6.3	GR-0205-0	4.0	--	P4	E	800	TRIODE SECTION. CAP = G.
85AS	6.3	GR-0405-2	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
85AS	6.3	GR-0305-2	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
89/89Y	6.3	GR-0235-4	6.2	--	P4	E	980	CAP = G.
99	3.0	ER-3200-0	3.0	--	P4	F	270	NOTE 6.
112A	5.0	ER-3200-0	14.0	--	P4	E	1040	NOTE 6.
HY114	1.4	HS-0000-0	5.0	--	P4	E	700	RIGHT CAP = P. LEFT CAP = G.
117L7/M7	117.0	HS-4358-0	7.6	--	P4	D	2500	NOTE 6. PENTODE SECTION.
117L7/M7	117.0	HS-0601-0	0.0	91	P3	G	----	RECT. SECTION. NOTE 3.
117N7	117.0	HS-4356-0	7.6	--	P4	D	2500	PENTODE SECTION.
117N7	117.0	HS-0800-0	0.0	92	P3	G	----	RECT. SECTION. SHORT ON D. REVERSE METER. NOTE 3.
117P7	117.0	HS-4356-0	7.6	--	P4	D	2500	PENTODE SECTION.
117P7	117.0	HS-0800-0	0.0	92	P3	G	----	RECT. SECTION. SHORT ON D. REVERSE METER. NOTE 3.
117Z3	117.0	ET-0506-0	0.0	91	P3	G	----	NOTE 3.
117Z4	117.0	HS-0508-0	0.0	91	P3	G	----	NOTE 3.
117Z6	117.0	HS-0508-0	0.0	91	P3	G	----	PLATE NO. 1. NOTE 3.
117Z6	117.0	HS-0304-0	0.0	91	P3	G	----	PLATE NO. 2. NOTE 3.
X-155	6.3	EV-7608-9	2.2	--	P4	C	2500	TRIODE NO. 1.
X-155	6.3	EV-2103-9	2.2	--	P4	C	2500	TRIODE NO. 2.
GL502A	6.3	HS-5308-6	--	89	P5	G	----	STRIKES AT ABOUT 2 V. NOTES 2 & 3.
CK502AX	1.1	DV-4120-0	2.5	--	P4	D	350	PLATE VOLTS = LOW. NOTE 6.
CK503AX	1.1	DV-4120-0	3.0	--	P4	D	350	PLATE VOLTS = LOW. NOTE 6.
CK505AX	0.6	DV-4120-0	2.7	--	P4	F	110	NOTE 6.
CK506AX	1.1	DV-4120-0	7.5	--	P4	D	315	PLATE VOLTS = LOW. NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
CK510AX	0.6	EX-1230-6	0.0	--	P5	F	----	SECTION NO. 1. OK ABOVE 50 ON 600 SCALE. NOTES 3 & 6.
CK510AX	0.6	EX-6530-1	0.0	--	P5	F	----	SECTION NO. 2. OK ABOVE 50 ON 600 SCALE. NOTES 3 & 6.
CK512AX	0.6	DV-4120-0	6.0	--	P4	F	100	NOTE 6.
CK518AX	1.1	DV-4120-0	3.5	--	P4	D	350	PLATE VOLTS = LOW. NOTE 6.
CK522AX	1.1	DV-4120-0	3.2	--	P4	F	280	NOTE 6.
CK523AX	1.1	DV-4120-0	5.5	--	P4	F	230	NOTE 6.
CK524AX	1.1	DV-4120-0	12.5	--	P4	F	190	NOTE 6.
CK525AX	1.1	DV-4120-0	5.9	--	P4	F	200	NOTE 6.
CK526AX	1.1	DV-4120-0	7.6	--	P4	F	250	NOTE 6.
CK527AX	1.1	DV-4120-0	2.3	--	P4	F	140	NOTE 6.
CK528AX	1.1	DV-4120-0	2.6	--	P4	F	280	NOTE 6.
CK529AX	1.1	DV-4120-0	9.6	--	P4	F	220	NOTE 6.
CK533AX	1.1	DV-4120-0	4.2	--	P4	F	250	NOTE 6.
CK535AX	1.1	DV-4120-0	9.6	--	P4	F	220	NOTE 6.
CK536AX	1.1	DV-4120-0	4.2	--	P4	F	250	NOTE 6.
CK541DX	1.1	DV-4120-0	3.0	--	P4	F	160	NOTE 6.
CK542DX	1.1	DV-4120-0	8.0	--	P4	F	200	NOTE 6.
CK543DX	0.6	DV-4210-0	0.0	--	P1	F	----	NOTES 3 & 6.
CK544DX	1.1	DV-4120-0	2.0	--	P4	F	200	NOTE 6.
CK546DX	1.4	DV-4120-0	3.2	--	P4	F	300	SET CATH. ACT. SWITCH TO TEST POS. MAKE NO GAS TEST. NOTE 6.
GL546	6.3	ET-1702-5	--	90	P5	G	----	STRIKES AT ABOUT 1.8 V. NOTES 2&3.
CK547DX	1.1	DV-4120-0	2.4	--	P4	F	270	NOTE 6.
CK548DX	1.1	DV-4120-0	6.1	--	P4	F	190	NOTE 6.
CK556AX	1.1	ES-3100-0	6.0	--	P4	D	1000	NOTE 6.
CK568AX	1.1	ES-3100-0	9.0	--	P4	D	410	NOTE 6.
CK569AX	1.1	DV-4120-0	0.0	--	P4	D	690	PLATE VOLTS = LOW. NOTE 6.
CK571AX	1.1	DU-7120-0	18.0	--	P4	F	100	NOTE 6.
CK573AX	1.1	CU-3100-0	0.0	--	P4	D	1260	PLATE VOLTS = LOW. NOTE 6.
CK574AX	0.6	DV-4120-0	6.0	--	P4	F	100	NOTE 6.
CK578AX	1.1	DV-4120-0	2.2	--	P4	E	800	
CK605CX	6.3	DU-7126-5	1.8	--	P4	C	3150	
CK606BX	6.3	CT-0104-0	0.0	0	P1	G	----	DIODE. NOTE 3.
CK608CX	6.3	DU-5106-0	3.2	--	P4	C	3150	
CK619CX	6.3	CT-4105-0	0.6	--	P4	C	2500	
629	3.0	FR-3204-0	--	89	P5	G	----	STRIKES AT ABOUT 1.5 V. NOTES 2&3.
801A	7.5	ER-3200-0	0.0	--	P4	E	950	NOTE 6.
802	6.3	HR-4036-5	3.5	--	P4	E	1260	CAP = P.
807	6.3	FR-3024-0	6.0	--	P4	D	2400	CAP = P.
809	6.3	ER-3000-0	0.0	--	P4	D	1050	CAP = P. NOTE 6.
811	6.3	ER-3000-0	0.0	--	P4	E	850	CAP = P. NOTE 6.
812	6.3	ER-3000-0	0.0	--	P4	E	1400	CAP = P. NOTE 6.
815	6.3	JV-7043-2	7.0	--	P4	D	2500	PENTODE NO. 1. LEFT CAP = P.
815	6.3	BV-2043-7	7.0	--	P4	D	2500	PENTODE NO. 2. RIGHT CAP = P.
816	2.5	ER-0000-0	0.0	91	P3	G	----	CAP = P. NOTES 3 & 6.
SD828A	6.3	EW-3152-0	2.8	--	P4	C	2080	
SD828E	6.3	EW-3051-2	1.6	--	P4	D	1825	TOP LEAD = P.
834	7.5	ER-0000-0	0.0	--	P4	E	1040	NEAR CAP = G. FAR CAP = P. NOTE 6.
837	12.6	HR-4036-5	2.0	--	P4	D	1900	CAP = P.
841	7.5	ER-3200-0	0.0	--	P4	E	630	NOTE 6.
842	7.5	ER-3200-0	18.0	--	P4	E	750	NOTE 6.
843	2.5	FR-3204-0	1.3	--	P4	E	1030	
864	1.1	ER-3200-0	13.0	--	P4	D	410	NOTE 6.
865	7.5	ER-3020-0	7.2	--	P4	E	390	CAP = P. NOTE 6.
879	2.5	ER-0000-0	0.0	40	P5	G	----	CAP = P. NOTES 3 & 6.
SD917A	6.3	DU-2105-0	0.8	--	P4	D	1700	PLATE VOLTS = LOW.
SN944	6.3	EW-3051-2	2.0	--	P4	D	1500	TOP LEAD = P.
SN946B	6.3	CT-0104-0	0.0	0	P1	G	----	DIODE. NOTE 3.
SN947D	6.3	DW-1578-0	11.0	--	P4	C	3150	
SN949C	6.3	DW-7105-2	--	89	P5	G	----	STRIKES AT ABOUT 2.5 V. NOTES 2&3.
950	2.0	FR-3240-0	11.0	--	P4	E	600	NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
951	2.0	ER-0230-0	2.3	--	--	E	500	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
SN953D	6.3	DW-1572-0	3.0	--	P4	C	3800	
954	6.3	GR-8037-4	3.3	--	P4	E	700	CAP = P.
MODEL 539C#								
954	6.3	HS-8036-4	3.3	--	P4	E	700	CAP = P. USE ADAPTER SA-7, 1050-9.
SN954	6.3	ES-0103-0	0.0	85	P3	G	----	NOTE 3.
SN954B	6.3	DW-0205-0	0.0	85	P3	G	----	NOTE 3.
955	6.3	GR-4307-0	4.8	--	P4	E	1200	
MODEL 539C#								
955	6.3	HS-4306-0	4.8	--	P4	E	1200	USE ADAPTER SA-7, 1050-9.
956	6.3	GR-8037-4	2.3	--	P4	D	950	CAP = P.
MODEL 539C#								
956	6.3	HS-8036-4	2.3	--	P4	D	950	CAP = P. USE ADAPTER SA-7, 1050-9.
SN956B	1.1	BS-0000-0	0.0	--	P3	H	----	TOP LEAD = P. CONNECT FIL. LEADS TO PINS 1 & 2. NOTES 3 & 6.
957	1.4	GR-4300-0	8.3	--	P4	D	400	NOTE 6.
MODEL 539C#								
957	1.4	HS-4300-0	8.3	--	P4	D	400	USE ADAPTER SA-7, 1050-9. NOTE 6.
SN957A	6.3	FT-4102-0	1.4	--	P4	D	1700	PLATE VOLTS = LOW.
958	1.4	GR-4300-0	8.3	--	P4	D	750	NOTE 6.
MODEL 539C#								
958	1.4	HS-4300-0	8.3	--	P4	D	750	USE ADAPTER SA-7, 1050-9. NOTE 6.
959	1.4	GR-8030-0	3.0	--	P4	E	380	CAP = P. NOTE 6.
MODEL 539C#								
959	1.4	HS-8030-4	3.0	--	P4	E	380	CAP = P. USE ADAPTER SA-7, 1050-9. NOTE 6.
SN972D	6.3	DW-1574-0	1.6	--	P4	D	1900	
SN973B	6.3	DW-1574-0	2.0	--	P4	C	2500	
SN976C	6.3	DW-1578-0	12.0	--	P4	C	3150	
SD993C	6.3	DW-1805-0	0.0	--	P4	C	3660	PLATE VOLTS = LOW.
SD995B	6.3	DW-1574-0	1.6	--	P4	D	1900	
FM1000	6.3	JR-6453-2	--	--	--	-	----	USE THIS SETTING FOR SHORT CHECK ONLY.
FM1000	6.3	JR-2503-7	3.2	--	P4	D	950	PLATE VOLTS = LOW.
1005	6.3	GY-0305-0	0.0	88	P5	G	----	PLATE NO. 1. NOTES 3 & 6.
1005	6.3	GY-0503-0	0.0	88	P5	G	----	PLATE NO. 2. NOTES 3 & 6.
SN1006	6.3	FT-4102-0	1.5	--	P4	D	1500	PLATE VOLTS = LOW.
CK1027	---	AP-0407-0	0.0	67	P5	G	----	CAP = P. NOTE 3.
CK1042	---	AP-0105-0	0.0	87	P2	G	----	NOTE 3.
E1148	6.3	HS-0008-0	1.5	--	P4	D	1390	UPPER CAP = P. LOWER CAP = G.
1201	6.3	JS-1304-0	2.4	--	P4	D	1900	
1203	6.3	JR-0407-0	0.0	--	P1	E	----	DIODE. NOTE 3.
1204	6.3	HS-5314-0	1.5	--	P4	D	1150	
1216	6.3	ET-5207-0	3.5	--	P4	D	2150	TRIODE NO. 1.
1216	6.3	ET-6107-0	3.5	--	P4	D	2150	TRIODE NO. 2.
1229	2.0	ER-0230-0	3.0	--	--	E	400	CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6.
1230	2.0	ER-3200-0	10.2	--	P4	E	570	NOTE 6.
1231	6.3	JR-6237-4	0.5	--	P4	C	3460	
1232	6.3	JR-6237-4	1.1	--	P4	D	2840	
1237	2.5	HS-0300-0	0.0	93	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
1237	2.5	HS-0600-0	0.0	93	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
1247	0.6	EV-0000-0	0.0	0	P1	G	----	TOP LEAD = P. NOTES 3 & 6.
HY1269	12.6	FR-3024-0	0.0	--	P4	D	2500	CAP = P. SHORT ON 1. NOTE 6.
1273	6.3	JR-6237-4	1.1	--	P4	D	1450	
1274	6.3	HS-0508-3	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
1274	6.3	HS-0308-5	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
1280	12.6	JR-6237-4	1.1	--	P4	D	1450	
1284	12.6	JR-6237-4	5.0	--	P4	E	1260	
1285	25.0	HS-5348-0	12.0	--	P4	C	3650	
1291	2.5	RY-6700-0	2.8	--	P4	D	1200	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
1291	2.5	JR-3200-0	2.8	--	P4	D	1200	TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
1293	1.4	JR-6200-0	5.0	--	P4	D	820	NOTE 6.
1294	1.4	JR-0407-0	0.0	--	P1	D	----	DIODE. NOTE 3.
1299	2.5	JR-6230-0	4.0	--	--	D	1300	HOLD DOWN P1 & PRESS P4. NOTE 6.
1603	6.3	GR-0235-4	3.7	--	P4	E	770	CAP = G.
1609	1.1	FR-3240-0	0.0	--	--	E	440	HOLD DOWN P1 & PRESS P4. NOTE 6.
1612	6.3	HS-0348-5	5.0	--	P4	E	410	CAP GRID. CAP = G.
1612	6.3	HS-5348-1	5.0	--	P4	E	410	PIN GRID.
1613	6.3	HS-5348-0	1.7	--	P4	D	1640	
1614	6.3	HS-5348-1	3.0	--	P4	C	3300	
1616	3.0	FR-0000-0	0.0	86	P2	G	----	CAP = P. NOTES 3 & 6.
1619	2.5	HS-5340-8	1.3	--	P4	D	2150	NOTE 6.
1620	6.3	HS-0348-5	4.0	--	P4	F	770	CAP = G.
1621	6.3	HS-5348-0	1.7	--	P4	D	1640	
1622	6.3	HS-5348-0	3.0	--	P4	C	3300	
1623	6.3	ER-3000-0	0.0	--	P4	F	1400	CAP = P. NOTE 6.
1624	2.5	FR-3020-0	0.0	--	P4	D	2500	CAP = P. NOTE 6.
1625	12.6	HR-4036-0	6.0	--	P4	D	2400	CAP = P.
1626	12.6	HS-5308-0	16.0	--	P4	E	1325	
1629	12.6	HS-5408-0	0.0	--	P4	G	----	EYE OPEN.
1629	12.6	HS-5438-0	0.0	--	P4	G	----	EYE CLOSED.
1631	12.6	HS-5348-1	3.0	--	P4	C	3300	
1632	12.6	HS-5348-0	1.5	--	--	C	5650	HOLD DOWN P1 & PRESS P4.
1633	25.0	HY-4506-0	3.7	--	P4	D	1640	TRIODE NO. 1.
1633	25.0	HY-1203-0	3.7	--	P4	D	1640	TRIODE NO. 2.
1634	12.6	HY-4506-1	0.9	--	P4	D	830	TRIODE NO. 1.
1634	12.6	HY-3206-1	0.9	--	P4	D	830	TRIODE NO. 2.
1635	6.3	HS-4308-0	0.0	--	P4	D	540	TRIODE NO. 1.
1635	6.3	HS-5608-0	0.0	--	P4	D	540	TRIODE NO. 2.
1641	5.0	FR-0000-0	0.0	84	P3	G	----	LEFT CAP = P. NOTES 3 & 6.
1641	5.0	RU-0000-0	0.0	84	P3	G	----	RIGHT CAP = P. NOTES 3 & 6.
1642	6.3	HR-4506-0	7.5	--	P4	E	870	TRIODE NO. 1.
1642	6.3	HR-0302-0	7.5	--	P4	E	870	TRIODE NO. 2. CAP = G.
1644	12.6	HW-1852-3	3.0	--	P4	D	1350	PENTODE NO. 1.
1644	12.6	HW-3452-1	3.0	--	P4	D	1350	PENTODE NO. 2.
1654	1.4	RX-0000-0	0.0	--	P5	F	----	CAP = P. NOTES 3 & 6.
1658	2.0	FR-3200-0	10.2	--	P4	F	570	NOTE 6.
1659	2.5	GR-0205-0	1.1	--	P4	D	700	TRIODE SECTION. CAP = G.
1659	2.5	GR-0405-0	0.0	--	P1	D	----	DIODE NO. 1. NOTE 3.
1659	2.5	GR-0305-0	0.0	--	P1	D	----	DIODE NO. 2. NOTE 3.
1851	6.3	HS-0348-5	1.0	--	P4	C	5650	CAP = G.
1852	6.3	HS-4865-3	1.0	--	P4	C	5650	
1853	6.3	HS-4865-3	2.0	--	P4	D	2200	
5516	6.3	HS-5031-0	6.0	--	P4	D	2500	CAP = P. SHORT ON 1. NOTE 6.
5517	---	AP-0407-0	0.0	89	P2	G	----	CAP = P. NOTE 3.
5556	4.3	FR-3200-0	4.5	--	P4	E	625	NOTE 6.
5608A	2.5	HR-5604-2	1.5	--	P4	D	1550	TRIODE NO. 1.
5608A	2.5	HR-3204-6	1.5	--	P4	D	1550	TRIODE NO. 2.
5610	6.3	ET-6102-0	1.0	--	P4	D	2500	PLATE VOLTS = LOW.
5618	6.3	BX-6234-0	8.0	--	P4	D	1900	NOTE 6.
5633	6.3	FW-3051-2	2.0	--	P4	D	1500	TOP LEAD = P.
5634	6.3	FW-3051-2	1.6	--	P4	D	1825	TOP LEAD = P.
5635	6.3	DW-1708-4	1.5	--	P4	C	2400	TRIODE NO. 1.
5635	6.3	DW-2508-4	1.5	--	P4	C	2400	TRIODE NO. 2.
5637	6.3	DU-2105-0	0.8	--	P4	D	1700	PLATE VOLTS = LOW.
5638	6.3	FW-3152-0	2.8	--	P4	C	2080	
5639	6.3	DW-1572-0	3.0	--	P4	C	3800	
5640	6.3	DW-1578-0	11.0	--	P4	C	3150	
5641	6.3	DW-0205-0	0.0	85	P3	G	----	NOTE 3.
5645	6.3	ET-4102-0	1.4	--	P4	D	1700	PLATE VOLTS = LOW.
5646	6.3	ET-4102-0	1.5	--	P4	D	1500	PLATE VOLTS = LOW.
5647	6.3	CT-0104-0	0.0	0	P1	G	----	DIODE. NOTE 3.
5659	12.6	HS-5348-0	6.0	--	P4	D	1900	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
5660	12.6	HS-0368-0	4.0	--	P4	D	725	PENTODE SECTION. CAP = G.
5660	12.6	HS-0568-0	0.0	--	P1	D	-----	DIODE NO. 1. NOTE 3.
5660	12.6	HS-0468-0	0.0	--	P1	D	-----	DIODE NO. 2. NOTE 3.
5661	12.6	HS-4865-3	2.0	--	P4	D	1260	
5662	6.3	ET-1705-0	--	88	P5	G	-----	STRIKES AT ABOUT 5 V. NOTES 2 & 3.
5663	6.3	ET-1702-5	--	89	P5	G	-----	STRIKES AT ABOUT 2 V. NOTES 2 & 3.
5679	6.3	JR-0607-5	0.0	--	P1	E	-----	DIODE NO. 1. NOTE 3.
5679	6.3	JR-0302-5	0.0	--	P1	E	-----	DIODE NO. 2. NOTE 3.
5690	6.3	HW-0508-3	0.0	90	P3	G	-----	UNIT NO. 1. NOTE 3.
5690	6.3	CR-0304-5	0.0	90	P3	G	-----	UNIT NO. 2. NOTE 3.
5691	6.3	HY-4506-2	1.0	--	P4	C	1000	TRIODE NO. 1.
5691	6.3	HY-1203-5	1.0	--	P4	C	1000	TRIODE NO. 2.
5692	6.3	HY-4506-2	4.5	--	P4	D	1400	TRIODE NO. 1.
5692	6.3	HY-1203-5	4.5	--	P4	D	1400	TRIODE NO. 2.
5693	6.3	HS-4865-3	4.0	--	P4	D	1040	
5694	6.3	HS-4301-0	0.0	--	P4	D	1500	TRIODE NO. 1.
5694	6.3	HS-5608-0	0.0	--	P4	D	1500	TRIODE NO. 2.
5731	6.3	GR-4307-0	3.3	--	P4	D	1400	
MODEL 539C#								
5731	6.3	HS-4306-0	3.3	--	P4	D	1400	USE ADAPTER SA-7, 1050-9.
5732	6.3	HS-0348-5	2.8	--	P4	E	910	CAP = G.
5742	4.3	ER-3200-0	0.9	--	P4	E	530	NOTE 6.
5785	1.1	GX-0100-0	0.0	--	P1	D	-----	NOTES 3 & 6.
5812	6.3	ET-1560-2	8.0	--	P4	D	2700	NOTE 6.
5823	OFF	AP-4301-0	0.0	70	--	G	-----	HOLD DOWN P6 & PRESS P5. REVERSE METER. SOME TUBES SHORT ON 3-4. NOTE 3.
5824	25.0	HS-5348-0	17.0	--	P4	D	2500	
5825	1.4	ER-0000-0	0.0	--	P5	D	-----	CAP = P. OK ABOVE 600 ON 6000 SCALE. NOTES 3 & 6.
5838	12.6	HS-0508-0	0.0	81	P3	G	-----	PLATE NO. 1. NOTE 3.
5838	12.6	HS-0308-0	0.0	81	P3	G	-----	PLATE NO. 2. NOTE 3.
5839	25.0	HS-0508-3	0.0	85	P3	G	-----	PLATE NO. 1. NOTE 3.
5839	25.0	HS-0308-5	0.0	85	P3	G	-----	PLATE NO. 2. NOTE 3.
5851	2.5	HR-8360-0	6.0	--	P4	E	1000	NOTE 6.
5854	1.1	DV-4120-0	4.0	--	P4	F	310	PLATE VOLTS = LOW. NOTE 6.
5875	1.1	DV-4120-0	1.4	--	P4	D	1250	
5879	6.3	EV-1873-9	3.3	--	P4	E	630	
5886	1.1	DU-7120-0	18.0	--	P4	F	100	NOTE 6.
5910	1.4	BX-6230-0	3.6	--	P4	D	570	NOTE 6.
5967	1.1	ES-6801-3	2.0	--	P4	D	1260	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
5967	1.1	ES-3108-6	2.0	--	P4	D	1260	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
5992	6.3	HS-5348-0	3.0	--	P4	D	2200	
6000	25.0	HS-1583-0	0.6	--	P4	C	4250	
6004	5.0	JS-0000-0	0.0	73	P3	G	-----	NEAR CAP = P. NOTE 3.
6004	5.0	JS-0000-0	0.0	73	P3	G	-----	FAR CAP = P. NOTE 3.
6007	1.1	DV-4120-0	4.4	--	P4	F	260	NOTE 6.
6008	0.6	DV-4120-0	5.7	--	P4	F	65	NOTE 6.
6026	6.3	EV-7803-0	3.2	--	P4	C	3700	
6029	1.1	CU-3100-0	0.0	--	P4	D	1260	PLATE VOLTS = LOW. NOTE 6.
6087	5.0	JS-0600-0	0.0	80	P3	G	-----	PLATE NO. 1. NOTES 3 & 6.
6087	5.0	JS-0400-0	0.0	80	P3	G	-----	PLATE NO. 2. NOTES 3 & 6.
6088	1.1	DV-4120-0	3.0	--	P4	D	400	PLATE VOLTS = LOW. NOTE 6.
6094	6.3	DV-1428-0	2.1	--	P4	D	2600	
6099	6.3	ET-5207-0	1.8	--	P4	C	3340	TRIODE NO. 1.
6099	6.3	ET-6107-0	1.8	--	P4	C	3340	TRIODE NO. 2.
6100	6.3	ET-6107-0	4.8	--	P4	E	1380	
6101	6.3	ET-5207-6	1.8	--	P4	C	3800	TRIODE NO. 1.
6101	6.3	ET-6107-5	1.8	--	P4	C	3800	TRIODE NO. 2.
6106	5.0	JS-0600-0	0.0	85	P3	G	-----	PLATE NO. 1. NOTES 3 & 6.
6106	5.0	JS-0400-0	0.0	85	P3	G	-----	PLATE NO. 2. NOTES 3 & 6.
6113	6.3	HY-4506-2	0.4	--	P4	D	1000	TRIODE NO. 1.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
6113	6.3	HY-1203-5	0.4	--	P4	D	1000	TRIODE NO. 2.
6145	6.3	JR-6237-4	0.0	--	P4	C	5650	
6147	2.5	HR-8360-0	6.0	--	P4	E	1000	NOTE 6.
6169	6.3	DW-1204-0	0.7	--	P4	C	3800	
6184	6.3	DW-0204-8	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
6184	6.3	DW-0705-8	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
6188	6.3	HY-4506-2	1.0	--	P4	D	1000	TRIODE NO. 1.
6188	6.3	HY-1203-5	1.0	--	P4	D	1000	TRIODE NO. 2.
6355	6.3	FT-1427-0	0.0	100	P4	G	----	EYE 1 OPEN. EYE 2 CLOSED.
6355	6.3	FT-4127-0	0.0	100	P4	G	----	EYE 2 OPEN. EYE 1 CLOSED.
6877	6.3	DV-1408-0	9.4	--	P4	C	4000	
6888	6.3	HS-4865-3	9.0	--	P4	E	1180	
6954	6.3	ET-1562-7	1.0	--	P4	D	1750	
7193	6.3	HS-0008-0	3.7	--	P4	D	1900	UPPER CAP = G. LOWER CAP = P.
8013A	3.0	ER-0000-0	0.0	20	P5	G	----	CAP = P. NOTE 3.
8016	1.1	HS-0000-0	0.0	12	P5	G	----	CAP = P. NOTES 3 & 6.
9001	6.3	ET-1567-0	4.5	--	P4	D	700	
9002	6.3	ET-6107-0	4.8	--	P4	C	1200	
9003	6.3	ET-1562-0	1.5	--	P4	D	1125	
9004	6.3	GR-0304-0	0.0	0	P1	G	----	DIODE. NOTE 3.
MODEL 539C# 9004	6.3	HS-0304-0	0.0	0	P1	G	----	DIODE. USE ADAPTER SA-7, 1050-9. NOTE 3.
9005	4.3	GR-0403-0	0.0	--	P1	E	----	DIODE. NOTE 3.
MODEL 539C# 9005	4.3	HS-0403-0	0.0	--	P1	E	----	DIODE. USE ADAPTER SA-7, 1050-9. NOTE 3.
9006	6.3	ET-0107-0	0.0	--	P1	E	----	DIODE. NOTE 3.
38142	7.5	ER-3200-0	8.0	--	P4	E	1380	NOTE 6.
XXB	2.5	BY-5600-0	3.5	--	P4	D	700	TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6.
XXB	2.5	JR-4300-0	3.5	--	P4	D	700	TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6.
XXD	12.6	JR-5607-0	4.2	--	P4	D	1640	TRIODE NO. 1.
XXD	12.6	JR-4302-0	4.2	--	P4	D	1640	TRIODE NO. 2.
XXFM	6.3	JR-3204-0	1.1	--	P4	D	630	TRIODE SECTION.
XXFM	6.3	JR-0504-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
XXFM	6.3	JR-0607-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
XXL	6.3	JR-6207-0	3.7	--	P4	D	1640	

FOREIGN TUBE TYPES
SUPPLEMENTARY TEST DATA

NOTATIONS

- NOTE 1: The letter that appears in the RANGE column indicates the setting of the FUNCTION SWITCH.
- NOTE 2: (symbol "# " on Roll Chart) Set BIAS VOLTS at 40, press and hold down button indicated in the PRESS column while rotating BIAS VOLTS control until tube strikes. The striking voltages indicated are nominal values and reference to handbook "Critical Grid Characteristics" of Thyratron tubes reveals appreciable variations from these values.
- NOTE 3: (symbol "★ " on Roll Chart) Make emission tests only. Good tubes will read above index mark "RECTIFIERS & DIODES OK" on METER.
- NOTE 4: Mutual Conductance Values are minimum. Discard tubes which read lower.
- NOTE 5: Readjust BIAS VOLTS after button P4 is pressed, then read Gm.
- NOTE 6: (symbol "♣ " on Roll Chart) A short indication on position "A" of the shorts switch is normal.
- NOTE 7: For TUBE TESTER Models 539B, the Universal Adapter CA-5, 1050-164, is available. This Adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvisitors, and the new 10-pin tubes, including Decals. Test data for these tubes is supplied in supplementary form with the Adapter. The CA-4, 1050-135 Adapter (discontinued) can still be used but requires the use of the SA-11, 1050-177 Adapter for testing decal types. See inside cover for description of all adapters.
- NOTE 8: "Cut off" tube section NOT being tested by means of a 30 to 35 volt battery (Eveready 413 or equal). Polarity and connections are indicated in the NOTATIONS column: e.g., NOTE 8: 7-, 2+, indicates connect negative lead to pin 7 and positive lead to pin 2 of any convenient socket on the tester.
- CAUTION: Disconnect battery between any change of SELECTORS.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
1AJ4	1.4	HR-6230-0	4.4	---	P4	E	400	PENTODE SECT. PLATE VOLTS = LOW. NOTE 6.
1AR5	1.4	BX-6540-0	1.4	---	P4	D	480	
1AR5	1.4	BX-0300-0	0.0	---	P1	D	----	DIODE SECT. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6.
1AS5	1.4	BX-6230-0	1.4	---	P4	D	480	PENTODE SECT. PLATE VOLTS = LOW. NOTE 6.
1AS5	1.4	BX-0400-0	0.0	---	P1	D	----	DIODE SECT. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6.
1BG2	1.4	CX-0000-0	0.0	27	P5	G	----	CONNECT FIL LEADS TO OCTAL SOCKET PINS 2 & 7. SINGLE LEAD = P. NOTES 3 & 6.
1BK2	1.4	BS-0000-0	0.0	14	P5	G	----	CAP=P. NOTE 3.
1BQ2	1.4	BS-0000-0	0	15	P5	G	----	CAP=P. NOTES 3 & 6.
1BX2	1.4	BS-0000-0	0.0	12	P5	G	----	CAP=P. NOTES 3 & 6.
1C1	1.4	BX-6234-0	2.0	---	P4	E	380	GRID NO. 3. NOTE 6.
1C1	1.4	BX-4306-2	2.0	---	P4	E	880	OSC. SECT. PLATE VOLTS = LOW. NOTE 6.
1D13	1.4	HR-0203-0	0.0	---	P1	D	----	DIODE. NOTE 3.
1D-K29	1.1	BS-0000-0	0.0	---	P3	H	----	TOP LEAD=P. CONNECT FIL. LEADS TO PINS 1 AND 2. NOTES 3 & 6.
1F2	1.4	HR-6230-0	2.8	---	P4	E	650	NOTE 6.
1F3	1.4	BX-6230-0	0.0	---	P4	E	490	PLATE VOLTS = LOW. NOTE 6.
1M3	1.4	EV-1800-0	VARY	---	P5	C	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BELOW 4.0 VOLTS.
1N3	1.4	EV-1800-0	VARY	---	P5	C	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BELOW 4.0 VOLTS.
1P10	2.5	HR-3240-0	5.0	---	P4	E	950	PLATE VOLTS = LOW. NOTE 6.
1P11	3.0	HR-6230-0	6.0	---	P4	E	1260	NOTE 6.
2H-H5	2.0	DR-4208-0	0.5	---	P4	C	5000	PLATE VOLTS = LOW. (SEE BELOW) NOTE 7.
2B-H5	2.0	13-4208-0	0.5	---	P4	C	5000	PLATE VOLTS = LOW. (SEE BELOW). USE ADAPTER SA-3, 1050-127, OR ADAPTER CA-4, 1050-135 WITH MODEL 539B. MODEL 539C REQUIRES NO ADAPTER. CAP=P. NOTES 3 & 6.
2BU2	2.5	B3-0000-0	0.0	12	P5	G	----	MODEL 539B USING ADAPTER SA-3, 1050-127. NOTE 7. PLATE VOLTS=LOW. MODEL 539C# REQUIRES NO ADAPTER. PLATE VOLTS = LOW. NOTE 7.
2ER5	2.0	ET-2567-0	0.8	---	P4	C	6600	
2FY5	2.5	ET-2501-6	1.4	---	P4	C	7000	
2HA5	2.0	ET-1507-6	1.2	---	P4	C	8000	
2N-H11	2.0	DR-4208-0	0.4	---	P4	C	4700	HEPTODE SECTION.
2N-H11	2.0	13-4208-0	0.4	---	P4	C	4700	
2N-H12	2.0	13-6207-0	0.8	---	P4	C	7000	TRIODE SECTION.
3AJ8	3.0	EV-2613-7	3.5	---	P4	D	950	
3AJ8	3.0	EV-9803-2	1.5	---	P4	D	2300	CAP=P. NOTES 3 & 6. USE ADAPTER SA-8, 1050-162.
3BH2	3.0	JR-0000-0	0.0	30	P5	G	----	
3BX6	3.0	EV-2781-9	0.5	---	P4	C	4500	PENTODE SECTION
3BY7	3.0	EV-2781-9	2.0	---	P4	D	2500	
3EH7	3.0	EV-2781-9	2.4	---	P4	C	3200	
3EJ7	3.0	EV-2781-9	1.2	---	P4	C	4900	
3ER5	3.0	ET-2567-0	0.8	---	P4	C	6600	TRIODE SECTION.
3FY5	3.0	ET-2501-6	1.4	---	P4	C	7000	
3HA5	2.5	ET-1507-6	1.2	---	P4	C	8000	
3M-P26	3.0	ET-1562-0	10.0	---	P4	D	2500	
4AB8	4.3	EV-9683-7	4.0	---	P4	D	2100	PENTODE SECTION.
4AB8	4.3	EV-2103-0	5.0	---	P4	D	850	
4BL8	4.3	EV-2637-1	1.2	---	P4	C	3000	
4BL8	4.3	EV-9108-6	4.8	---	P4	C	3000	
4BN4	4.3	ET-2501-0	1.9	---	P4	C	4300	TRIODE SECTION.
4CM4	4.3	EV-2103-0	1.2	---	P4	B	8800	
4DL4	4.3	EV-9802-0	1.3	---	P4	E	7500	
4EH7	4.3	EV-2781-9	2.4	---	P4	C	3200	
4EJ7	4.3	EV-2781-9	1.2	---	P4	C	4900	CAP=P. NOTES 3 & 6. USE ADAPTER SA-8, 1050-162.
4ER5	4.3	ET-2567-0	0.8	---	P4	C	4500	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
4ES8	4.3	EV-7608-0	2.4	---	P4	C	7500	TRIODE NO. 1.
4ES8	4.3	EV-2103-0	2.4	---	P4	C	7500	TRIODE NO. 2.
4FY5	4.3	ET-2501-6	1.4	---	P4	C	7000	
4GJ7	4.3	EV-2671-0	1.0	---	P4	C	4900	PENTODE SECTION.
4GJ7	4.3	EV-9803-0	4.2	---	P4	C	6100	TRIODE SECTION.
4GS7	4.3	EV-9678-0	0.4	---	P4	C	5000	PENTODE SECTION.
4GS7	4.3	EV-1203-0	5.0	---	P4	C	3100	TRIODE SECTION.
4HA5	4.3	ET-1507-6	1.2	---	P4	C	8000	
4HG8	4.3	EV-2893-0	0.8	---	P4	C	5050	PENTODE SECTION.
4HG8	4.3	EV-6703-0	8.0	---	P4	C	4000	TRIODE SECTION.
4KN8	4.3	EV-7608-0	2.2	---	P4	B	7900	TRIODE NO. 1.
4KN8	4.3	EV-2103-0	2.2	---	P4	B	7900	TRIODE NO. 2.
4MP12	5.0	ET-1562-0	2.2	---	P4	C	2600	
4M-P26	4.3	ET-1562-0	10.0	---	P4	D	2500	
4R-HH2	4.3	EV-7608-9	2.0	---	P4	C	4000	TRIODE NO. 1.
4R-HH2	4.3	EV-2103-9	2.0	---	P4	C	4000	TRIODE NO. 2.
4R-HH8	4.3	EV-7608-0	2.2	---	P4	B	7900	TRIODE NO. 1.
4R-HH8	4.3	EV-2103-0	2.2	---	P4	B	7900	TRIODE NO. 2.
5AR4	5.0	JS-0600-0	0.0	88	P3	G	----	PLATE NO. 1. NOTE 3.
5AR4	5.0	JS-0400-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
5ES8	5.0	EV-7608-0	2.4	---	P4	C	7500	TRIODE NO. 1.
5ES8	5.0	EV-2103-0	2.4	---	P4	C	7500	TRIODE NO. 2.
5GJ7	5.0	EV-2671-0	1.0	---	P4	C	4900	PENTODE SECTION.
5GJ7	5.0	EV-9803-0	4.2	---	P4	C	6100	TRIODE SECTION.
5GS7	5.0	EV-9678-0	0.4	---	P4	C	5000	PENTODE SECTION.
5GS7	5.0	EV-1203-0	5.0	---	P4	C	3100	TRIODE SECTION.
5HG8	5.0	EV-2893-0	0.8	---	P4	C	5000	PENTODE SECTION.
5HG8	5.0	EV-6703-0	8.0	---	P4	C	4000	TRIODE SECTION.
5MHH3	5.0	ET-6107-0	1.5	---	P4	C	5500	TRIODE NO. 1.
5MHH3	5.0	ET-5207-0	1.5	---	P4	C	5500	TRIODE NO. 2.
5M-K9	5.0	ET-0503-0	0.0	86	P3	G	----	NOTE 3.
5U9	6.3	FW-3782-4	1.5	---	P4	C	4400	PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7.
5U9	6.3	FW-W901-0	4.5	---	P4	C	3150	TRIODE SECTION.
5V9	5.0	FW-3741-2	1.0	---	--	E	700	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7.
5V9	5.0	FW-8W09-0	2.4	---	P4	C	3150	TRIODE SECTION.
5X9	6.3	FW-3782-4	1.5	---	P4	C	4700	PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7.
5X9	6.3	FW-W901-0	1.2	---	P4	D	3000	TRIODE SECTION.
6AB8	6.3	EV-9683-7	4.0	---	P4	D	2100	PENTODE SECTION
6AB8	6.3	EV-2103-0	5.0	---	P4	D	850	TRIODE SECTION
6AB8	6.3	EV-9683-7	4.0	---	P4	D	2100	PENTODE SECTION
6AB9	6.3	FW-978W-0	1.5	---	P4	C	4400	TETRODE NO. 1. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7.
6AB9	6.3	FW-3124-0	1.5	---	P4	C	4400	TETRODE NO. 2.
6AF9	6.3	FW-8W97-0	2.2	---	P4	C	6300	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7.
6AF9	6.3	FW-1432-0	1.0	---	P4	C	5300	PENTODE NO. 2.
6AJ8	6.3	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
6AJ8	6.3	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
6AK8	6.3	EV-8907-0	1.3	---	P4	E	750	TRIODE SECTION.
6AK8	6.3	EV-0607-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
6AK8	6.3	EV-0203-0	0.0	---	P1	E	----	DIODE NO. 2. NOTE 3.
6AK8	6.3	EV-0107-0	0.0	---	P1	E	----	DIODE NO. 3. NOTE 3.
6AL3	6.3	EV-0009-0	0.0	89	P3	G	----	REVERSE METER. CAP = P. NOTE 3.
6AM5	6.3	ET-1572-0	5.3	---	P4	D	1650	
6AM6	6.3	ET-1572-6	1.0	---	P4	C	3800	
6AQ4	6.3	ET-1705-0	0.8	---	P4	C	5300	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
6AQ8	6.3	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 1.
6AQ8	6.3	EV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 2.
6B-B14	6.3	EV-1063-0	23	---	P4	D	2800	CAP=P. USE ADAPTER SA-8, 1050-168.
6BD7A	6.3	EV-2103-0	1.3	---	P4	E	790	TRIODE SECTION.
6BD7A	6.3	EV-0603-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
6BD7A	6.3	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
6BJ5	6.3	ET-1572-0	1.0	---	P4	C	5000	
6BK8	6.3	EV-9613-8	1.5	---	P4	D	1150	
6BL8	6.3	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
6BL8	6.3	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
6BM8	6.3	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
6BM8	6.3	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
6BN5	6.3	EV-2793-0	4.0	---	P4	D	1850	
6BQ5	6.3	EV-2793-0	1.0	---	P4	C	5650	TUBES INDICATING GAS# RE-TEST USING EV-1793-0
6BR3	6.3	EV-0009-0	0.0	50	P1	G	----	CAP = P. REVERSE METER. NOTE 3.
6BR5	6.3	EV-1902-0	VARY	100	P4	G	----	CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE.
6BR7	6.3	EV-2783-9	3.0	---	P4	E	750	
6BS7	6.3	EV-0783-9	3.0	---	P4	E	750	CAP = G.
6BT4	6.3	JR-0207-0	0.0	80	P3	G	----	DIODE NO. 1. (SEE BELOW)
6BT4	6.3	JR-0607-0	0.0	80	P3	G	----	DIODE NO. 2. (SEE BELOW)
6BW6	6.3	EV-2783-9	3.3	---	P4	D	2600	USE ADAPTER SA-5, 1050-129. NOTE 3
6BY7	6.3	EV-2781-9	2.0	---	P4	D	2500	
6C12	6.3	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
6C12	6.3	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
6C18	6.3	EV-7328-0	1.0	---	P4	C	4600	PENTODE SECTION.
6C18	6.3	EV-9108-0	6.0	---	P4	D	3000	TRIODE SECTION.
6CA4	6.3	EV-0703-0	0.0	87	P3	G	----	PLATE NO. 1. NOTE 3.
6CA4	6.3	EV-0103-0	0.0	87	P3	G	----	PLATE NO. 2. NOTE 3.
6CA7	6.3	HS-5348-1	5.5	---	P4	C	3800	
6CD7	6.3	HS-4508-0	VARY	---	P5	A	----	CONNECT TWO 1 MEG. RESISTORS FROM PLATE JACK TO PINS 3 & 6, RESP., OF ANY CONVENIENT TEST SOCKET. EYE 1 CLOSSES AT BIAS OF ABOUT 5 & EYE 2 CLOSSES AT BIAS OF ABOUT 20.
6CK6	6.3	EV-2713-6	0.5	---	P4	C	6300	
6CF8	6.3	EV-9613-8	1.5	---	P4	D	1150	
6CH6	6.3	EV-2783-9	0.0	---	P4	C	6500	
6CJ5	6.3	JR-6257-0	3.0	---	P4	E	950	USE HICKOK ADAPTER SA-5, 1050-129.
6CK5	6.3	JR-6257-0	1.0	---	P4	C	6300	USE HICKOK ADAPTER SA-5, 1050-129.
6CM4	6.3	EV-2103-0	1.2	---	P4	B	8800	
6CM5	6.3	HS-5048-0	11.0	---	P4	C	5000	CAP = P.
6CN6	6.3	HS-5048-1	0.0	---	P4	B	8500	CAP = P.
6CQ6	6.3	ET-1572-6	0.7	---	P4	D	1400	
6CT7	6.3	JR-6257-4	4.4	---	P4	E	750	PENTODE SECTION.
6CT7	6.3	JR-0307-0	0.0	---	P1	C	----	DIODE SECT. USE ADAPTER SA-5, 1050-129. NOTE 3.
6CU7	6.3	JR-6257-4	3.3	---	P4	E	800	HEXODE SECTION.
6CU7	6.3	JR-4307-6	4.7	---	P4	E	950	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
6CV7	6.3	JR-3207-0	1.3	---	P4	E	790	TRIODE SECTION (SEE BELOW)
6CV7	6.3	JR-0607-0	0.0	---	P1	C	----	DIODE NO. 1. (SEE BELOW) NOTE 3.
6CV7	6.3	JR-0507-0	0.0	---	P1	C	----	DIODE NO. 2. (SEE BELOW) NOTE 3.
6CW5	6.3	EV-2793-0	4.0	---	P4	C	4500	USE HICKOK ADAPTER SA-5, 1050-129.
6CW7	6.3	EV-6907-0	3.8	---	P4	C	3750	TRIODE NO. 1.
6CW7	6.3	EV-2301-0	3.8	---	P4	C	3750	TRIODE NO. 2.
6DA5	6.3	EV-1902-0	VARY	100	P4	G	----	CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE.
6DC8	6.3	EV-2613-9	2.6	---	P4	D	1800	PENTODE SECTION.
6DC8	6.3	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTIONS	PLATE VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
6DC8	6.3	EV-0703-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
6DG7	6.3	EV-2783-9	1.0	---	P4	D	2070	
6DL4	6.3	EV-9802-0	1.3	---	P4	C	7500	
6DL5	6.3	ET 1562-0	1.0	---	P4	D	2900	
6DR8	6.3	EV-2163-9	0.0	---	P1	D	----	
6DR8	6.3	EV-0803-0	0.0	---	P1	D	----	PENTODE SECT. NOTE 3.
6DR8	6.3	EV-0703-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
6DS8	6.3	EV-7163-2	3.0	---	P1	E	300	DIODE NO. 2. NOTE 3.
6DS8	6.3	EV-9803-0	0.8	---	P1	E	500	HEPTODE SECT. MAKE NO GAS TEST.
6DX8	6.3	EV-8697-0	0.6	---	P4	C	6900	TRIODE SECT. MAKE NO GAS TEST.
6DX8	6.3	EV-8697-0	0.6	---	P4	C	6900	PENTODE SECTION.
6DX8	6.3	EV-1203-0	1.0	---	P4	D	2800	TRIODE SECTION.
6EC4	6.3	EV-0007-0	0.0	90	P3	G	----	CAP=P. REVERSE METER. USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3.
6ED4	6.3	EV-0801-0	0.0	---	P1	E	----	CAP = G. USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3.
6EH7	6.3	EV-2781-9	2.4	---	P4	C	3200	MAKE NO GAS TEST. NOTE 3.
6EJ7	6.3	EV-2781-9	1.2	---	P4	C	4900	
6ER5	6.3	ET-2567-0	0.8	---	P4	C	4500	
6ES6	6.3	ET-7652-1	0.0	---	P1	E	----	
6ES8	6.3	EV-7608-0	2.4	---	P4	C	7500	
6ES8	6.3	EV-2103-0	2.4	---	P4	C	7500	TRIODE NO. 1.
6ET6	6.3	ET-1652-7	0.0	---	P1	G	----	TRIODE NO. 2.
6EW7	6.3	EV-7608-0	5.4	---	P4	E	1200	OK ABOVE 450 ON 3000 SCALE
6EW7	6.3	EV-2109-0	17.0	---	P4	C	5000	TRIODE NO. 1.
6F12	6.3	ET-1572-6	1.0	---	P4	C	3800	TRIODE NO. 2.
6F13	6.3	JR-6257-4	1.0	---	P4	C	4750	USE HICKOK ADAPTER SA-5, 1050-129.
6F14	6.3	JR-6257-4	0.5	---	P4	C	4750	USE HICKOK ADAPTER SA-5, 1050-129.
6F16	6.3	JR-6257-0	3.0	---	P4	E	950	USE HICKOK ADAPTER SA-5, 1050-129.
6F17	6.3	JR-6257-0	3.0	---	P4	E	450	USE HICKOK ADAPTER SA-5, 1050-129
6F19	6.3	EV-2781-9	2.0	---	P4	D	2500	USE HICKOK ADAPTER SA-5, 1050-129.
6F21	6.3	ET-1572-6	0.7	---	P4	D	1400	
6F22	6.3	EV-9613-8	1.5	---	P4	D	1150	
6F26	6.3	EV-2781-9	2.0	---	P4	D	2500	
6F29	6.3	EV-2781-9	2.8	---	P4	C	3200	
6F30	6.3	EV-2781-9	1.2	---	P4	C	4900	TRIODE NO. 1.
6F33	6.3	ET-1572-6	1.5	---	P4	D	1500	
6FC7	6.3	EV-6908-0	2.4	---	P4	C	6000	
6FC7	6.3	EV-2301-0	2.4	---	P4	C	6000	
6FG6	6.3	EV-1603-0	11.0	---	P4	G	----	
6FG6	6.3	EV-1603-0	0.0	---	P4	G	----	TRIODE NO. 2.
6FY5	6.3	ET-2501-6	1.4	---	P4	C	7000	SOLID BAR (SEE BELOW)
6G-A4	6.3	HS-1308-0	5.0	---	P4	C	6300	SPLIT BAR (SEE BELOW)
6G-B3	6.3	HS-5048-0	8.0	---	P4	C	7400	CONNECT JUMPER BETWEEN PINS 7 & 9
6GB5	6.3	EV-2078-0	16.0	---	P4	C	5000	OF NOVAL SOCKET. CONNECT 470K, 1/2
6G-B8	6.3	HS-5348-0	4.4	---	P4	C	5600	WATT, 10% RESISTOR BETWEEN JUMPER
6GJ7	6.3	EV-2671-0	1.0	---	P4	C	4900	AND PIN 6 OF SAME SOCKET.
6GJ7	6.3	EV-9803-0	4.2	---	P4	C	6100	CAP=P
6GM8	6.3	EV-7608-0	1.8	---	P1	E	----	CAP = P. USE ADAPTER SA-8, 1050-168
6GM8	6.3	EV-2103-0	1.8	---	P1	E	----	PENTODE SECTION.
6GS7	6.3	EV-9678-0	0.4	---	P4	C	5000	TRIODE SECTION.
6GS7	6.3	EV-1203-0	5.0	---	P4	C	3100	PENTODE SECTION.
6GV7	6.3	EV-7328-0	1.0	---	P4	C	4600	TRIODE SECTION.
6GV7	6.3	EV-9108-0	6.0	---	P4	D	3000	TRIODE SECTION.
6GV8	6.3	EV-9678-0	8.0	---	P4	C	4100	PENTODE SECTION.
6GV8	6.3	EV-2103-0	2.0	---	P4	D	2800	TRIODE SECTION.
6GW8	6.3	EV-8637-1	1.0	---	P4	C	5500	PENTODE SECTION.
6GW8	6.3	EV-1902-0	0.7	---	P4	E	550	TRIODE SECTION.
6GX8	6.3	EV-8769-3	19.0	---	P4	A	----	SOLID BAR (SEE BELOW)
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
6Gx8	6.3	EV-8769-3	6.0	---	P4	A	----	SPLIT BAR (SEE BELOW) PLATE VOLTS = LOW. SHORT ON POSITION 'F' NORMAL. DIODE.
6GX8	6.3	EV-0203-0	0.0	---	P1	D	----	
6HA5	6.3	FT-1507-6	1.2	---	P4	C	8000	
6H-B25	6.3	EV-2079-8	12.0	---	P4	C	4100	CAP=P. USE ADAPTER SA-8, 1050-168.
6HG8	6.3	EV-2893-0	0.8	---	P4	C	5000	PENTODE SECTION.
6HG8	6.3	EV-6703-0	8.0	---	P4	C	4000	TRIODE SECTION.
6HK8	6.3	EV-7608-9	2.0	---	P4	C	4000	TRIODE NO. 1.
6HK8	6.3	EV-2103-9	2.0	---	P4	C	4000	TRIODE NO. 2.
6HU6	6.3	EV-1603-0	6.0	---	P4	G	----	SOLID BAR (SEE BELOW)
6HU6	6.3	EV-1603-0	0.0	---	P4	G	----	SPLIT BAR (SEE BELOW) CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 100K, 1/2 WATT, 10% RESISTOR BETWEEN JUMPER AND PIN 6 OF SAME SOCKET.
6HU8	6.3	EV-2317-0	2.0	---	P4	D	3300	PENTODE NO. 1.
6HU8	6.3	EV-6897-0	2.0	---	P4	D	3300	PENTODE NO. 2.
6JV6	6.3	R3-X732-W	15.0	---	P4	C	7500	MODEL 5398# NOTE 7.
6JW8	6.3	EV-2637-0	1.6	---	P4	D	2400	PENTODE SECTION.
6JW8	6.3	EV-9108-0	1.1	---	P4	D	2200	TRIODE SECTION.
6JX8	6.3	EV-2673-1	0.4	---	---	E	750	HEPTODE SECTION. HOLD DOWN P1 AND PRESS P4.
6JX8	6.3	EV-9803-0	0.2	---	P4	D	2025	TRIODE SECTION. PLATE VOLTS = LOW.
6KG6	6.3	FV-1039-2	27.0	---	P4	D	2600	CAP=P. USE ADAPTER. SA-8, 1050-168
6KH8	6.3	EV-2397-0	2.0	---	P4	C	3400	PENTODE NO. 1. NOTE 8# 6-, 7+.
6KH8	6.3	EV-5897-0	2.0	---	P4	C	3400	PENTODE NO. 2. NOTE 8# 2-, 7+.
6KH8	6.3	EV-2107-0	2.0	---	P4	F	80	TRIODE SECTION.
6KN8	6.3	EV-7608-0	2.2	---	P4	B	7900	TRIODE NO. 1.
6KN8	6.3	EV-2103-0	2.2	---	P4	B	7900	TRIODE NO. 2.
6KW6	6.3	FV-1637-0	12.0	---	P4	D	2600	USE HICKOK ADAPTER SA-8, 1050-168.
6L12	6.3	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 1.
6L12	6.3	EV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 2.
6L13	12.6	EV-7608-0	1.3	---	P4	D	875	TRIODE NO. 1.
6L13	12.6	EV-2103-0	1.3	---	P4	D	875	TRIODE NO. 2.
6L34	6.3	ET-1705-0	0.8	---	P4	C	5300	
6LD3	6.3	JR-3207-0	1.3	---	P4	E	790	TRIODE SECTION. (SEE BELOW)
6LD3	6.3	JR-0607-0	0.0	---	P1	C	----	DIODE NO. 1. (SEE BELOW) NOTE 3.
6LD3	6.3	JR-0507-0	0.0	---	P1	C	----	DIODE NO. 2. (SEE BELOW) NOTE 3.
6LD12	6.3	EV-8907-0	1.3	---	P1	E	750	TRIODE SECTION.
6LD12	6.3	EV-0607-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
6LD12	6.3	EV-0203-0	0.0	---	P1	E	----	DIODE NO. 2. NOTE 3.
6LD12	6.3	EV-0107-0	0.0	---	P1	E	----	DIODE NO. 3. NOTE 3.
6LD13	6.3	EV-2103-0	1.3	---	P4	E	790	TRIODE SECTION.
6LD13	6.3	EV-0603-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
6LD13	6.3	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
6LF6	6.3	R3-5032-4	23	---	P4	C	5200	CAP=P. NOTE 7
6LN8	6.3	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
6LN8	6.3	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
6LV6	6.3	R3-5032-4	23	---	P4	C	5200	CAP=P. NOTE 7
6LX8	6.3	EV-2637-0	1.6	---	P4	D	2400	PENTODE SECTION.
6LX8	6.3	EV-9108-0	1.1	---	P4	D	2200	TRIODE SECTION.
6M5	6.3	EV-2713-0	1.0	---	P4	C	6300	
6MG8	6.3	EV-2637-0	1.0	---	P4	D	2500	PENTODE SECTION.
6MG8	6.3	EV-9108-0	1.0	---	P4	C	4700	TRIODE SECTION.
6M-HH3	6.3	ET-6107-0	1.5	---	P4	C	5500	TRIODE NO. 1.
6M-HH3	6.3	ET-5207-0	1.5	---	P4	C	5500	TRIODE NO. 2.
6N3	6.3	EV-0903-0	0.0	90	P3	G	----	NOTE 3.
6N-H10	6.3	DR-4208-0	2.0	---	P4	F	1700	1050-127. NOTE 7
6N-H10	6.3	13-4208-7	2.0	---	P4	E	1700	MODEL 5398 USING ADAPTER SA-3,
6N-L7	6.3	DR-4208-0	9.0	---	P4	E	1150	MODEL 539C# NO ADAPTER REQUIRED. PLATE VOLTS=LOW. USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135. NOTE 7
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
6N-L7	6.3	13-420R-0	9.0	---	P4	E	1150	539C, NO ADAPTER REQUIRED
6PL12	6.3	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
6PL12	6.3	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
6R3	6.3	EV-0009-0	0.0	90	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
6R-HH2	6.3	EV-7608-9	2.0	---	P4	C	4000	TRIODE NO. 1.
6R-HH2	6.3	EV-2103-9	2.0	---	P4	C	4000	TRIODE NO. 2.
6R-HH8	6.3	EV-7608-0	2.2	---	P4	B	7900	TRIODE NO. 1.
6R-HH8	6.3	EV-2103-0	2.2	---	P4	B	7900	TRIODE NO. 2.
6R-K19	6.3	EV-0009-0	0.0	50	P1	G	----	CAP = P. REVERSE METER. NOTE 3.
6R-P15	6.3	EV-1793-0	1.0	---	P4	C	5000	
6R-P22	6.3	EV-2631-7	1.0	---	P4	D	2350	
6S2A	6.3	ES-0000-0	0.0	14	P5	G	----	CAP=P. NOTE 3
6U9	6.3	FW-W901-0	4.5	---	P4	C	3150	TRIODE SECTION.
6U9	6.3	FW-3782-4	1.5	---	P4	C	4400	PENTODE SECTION. USE ADAPTER SA-11
6V9	6.3	FW-3741-2	1.0	---	--	E	700	MODEL 539B# USE SA-11 & CA-4. NOTE 7.
6V9	6.3	FW-8W09-0	2.4	---	P4	C	3150	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7.
6X4	6.3	ET-0607-1	0.0	85	P3	G	----	TRIODE SECTION.
6X4	6.3	ET-0107-6	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
6X5	6.3	HS-0508-1	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
6X5	6.3	HS-0308-1	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
6X6	6.3	HS-5408-6	40.0	100	P5	G	----	PLATE NO. 2. NOTE 3.
6X6	6.3	HS-5438-6	40.0	100	P5	G	----	EYES OPEN.
6X9	6.3	FW-3782-4	1.5	---	P4	C	4700	EYES CLOSED.
6X9	6.3	FW-W901-0	1.2	---	P4	D	3000	PENTODE SECTION. USE ADAPTER SA-11
6Y9	6.3	FW-8W97-0	2.2	---	P4	C	6300	MODEL 539B# USE SA-11 & CA-4. NOTE 7.
6Y9	6.3	FW-1432-0	1.0	---	P4	C	5300	TRIODE SECTION.
7AN7	7.5	EV-6907-0	3.8	---	P4	C	3750	PENTODE NO. 2.
7AN7	7.5	EV-2301-0	3.8	---	P4	C	3750	TRIODE NO. 1.
7D9	6.3	ET-1572-0	5.3	---	P4	D	1650	TRIODE NO. 2.
7ES8	7.5	EV-7608-0	2.4	---	P4	C	7500	TRIODE NO. 1.
7ES8	7.5	EV-2103-0	2.4	---	P4	C	7500	TRIODE NO. 2.
7F16	6.3	JR-6257-0	3.0	---	P4	E	950	USE HICKOK ADAPTER SA-5, 1050-129.
7FC7	7.5	EV-6908-0	2.4	---	P4	C	6000	TRIODE NO. 1.
7FC7	7.5	EV-2301-0	2.4	---	P4	C	6000	TRIODE NO. 2.
7GS7	7.5	EV-9678-0	0.4	---	P4	C	5000	PENTODE SECTION.
7GS7	7.5	EV-1203-0	5.0	---	P4	C	3100	TRIODE SECTION.
7GV7	7.5	EV-7328-0	1.0	---	P4	C	4600	PENTODE SECTION.
7GV7	7.5	EV-9108-0	6.0	---	P4	D	3000	TRIODE SECTION.
7HG8	7.5	EV-2893-0	0.8	---	P4	C	5050	PENTODE SECTION.
7HG8	7.5	EV-6703-0	8.0	---	P4	C	4000	TRIODE SECTION.
8A8	10.0	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
8A8	10.0	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
8AVLL	7.5	B3-9W04-0	3.0	---	P4	E	1600	TRIODE NO. 1. MODEL 539B# NOTE 7.
8AVLL	7.5	B3-7506-0	3.0	---	P4	E	1600	TRIODE NO. 2.
8AVLL	7.5	B3-X203-0	3.0	---	P4	E	1600	TRIODE NO. 3.
8B8	7.5	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
8B8	7.5	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
8CW5	7.5	EV-2793-0	4.0	---	P4	C	4500	
8D3	6.3	ET-1572-6	1.0	---	P4	C	3800	
8D5	6.3	EV-2783-9	3.0	---	P4	E	750	
8D6	6.3	EV-2781-9	0.5	---	P4	C	4500	
8D7	6.3	EV-0783-9	3.0	---	P4	E	750	CAP = G.
8D8	6.3	EV-9613-8	1.5	---	P4	D	1150	
8DX8	7.5	EV-8697-0	0.6	---	P4	C	6900	PENTODE SECTION.
8DX8	7.5	EV-1203-0	1.0	---	P4	D	2800	TRIODE SECTION.
8GJ7	7.5	EV-2671-0	1.0	---	P4	C	4900	PENTODE SECTION.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	RIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
8GJ7	7.5	EV-9803-0	4.2	---	P4	C	6100	TRIODE SECTION.
8K11	7.5	R3-9W04-8	3.2	---	P4	D	1950	TRIODE NO. 1. MODEL 539B# NOTE 7.
8K11	7.5	R3-7506-8	1.3	---	P4	F	800	TRIODE NO. 2.
8K11	7.5	R3-X203-8	1.3	---	P4	F	800	TRIODE NO. 3.
8LS6	7.5	EV-2781-3	5.0	---	P4	C	5300	
8U9	7.5	FW-3782-4	1.5	---	P4	C	4400	PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7.
8U9	7.5	FW-W901-0	4.5	---	P4	C	3150	TRIODE SECTION.
8X9	7.5	FW-3782-4	1.5	---	P4	C	4700	PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7.
8X9	7.5	FW-W901-0	1.2	---	P4	D	3000	TRIODE SECTION.
9A8	10.0	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
9A8	10.0	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
9AB4	10.0	ET-6107-0	1.6	---	P4	D	2500	
9AK8	10.0	EV-8907-6	1.3	---	P4	E	750	TRIODE SECTION.
9AK8	10.0	EV-0607-1	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
9AK8	10.0	EV-0203-7	0.0	---	P1	E	----	DIODE NO. 2. NOTE 3.
9AK8	10.0	EV-0107-8	0.0	---	P1	E	----	DIODE NO. 3. NOTE 3.
9AQ8	10.0	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 1.
9AQ8	10.0	EV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 2.
9BR8	10.0	EV-9678-0	0.8	---	P4	D	2400	PENTODE SECTION.
9BR8	10.0	EV-1203-0	1.0	---	P4	C	5350	TRIODE SECTION.
9BW6	10.0	EV-2783-9	3.3	---	P4	D	2600	
9CG8A	10.0	EV-9678-0	1.2	---	P4	C	2900	PENTODE SECTION.
9CG8A	10.0	EV-1203-0	2.0	---	P4	C	3650	TRIODE SECTION.
9D6	6.3	ET-1572-6	0.7	---	P4	D	1400	
9ED4	7.5	EV-0801-0	0.0	---	P1	E	----	CAP = G. USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3.
9GH8A	10.0	EV-2637-0	1.7	---	P4	D	2500	PENTODE SECTION.
9GH8A	10.0	EV-9108-0	1.3	---	P4	C	5300	TRIODE SECTION.
9GV8	10.0	EV-9678-0	8.0	---	P4	C	4100	PENTODE SECTION.
9GV8	10.0	EV-2103-0	2.0	---	P4	D	2800	TRIODE SECTION.
9J6	10.0	ET-5207-0	1.8	---	P4	C	3340	TRIODE NO. 1
9J6	10.0	ET-6107-0	1.8	---	P4	C	3340	TRIODE NO. 2
9JW8	10.0	EV-2637-0	1.6	---	P4	D	2400	PENTODE SECTION.
9JW8	10.0	EV-9108-0	1.1	---	P4	D	2200	TRIODE SECTION.
9V9	10.0	FW-3741-2	1.0	---	--	F	700	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7.
9V9	10.0	FW-8W09-0	2.4	---	P4	C	3150	TRIODE SECTION.
10C14	20.0	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
10C14	20.0	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
10CW5	10.0	EV-2793-0	4.0	---	P4	C	4500	
10D2	20.0	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
10D2	20.0	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
10DX8	10.0	EV-8697-0	0.6	---	P4	C	6900	PENTODE SECTION.
10DX8	10.0	EV-1203-0	1.0	---	P4	D	2800	TRIODE SECTION.
10FD12	20.0	EV-2613-9	2.6	---	P4	D	1800	PENTODE SECTION.
10FD12	20.0	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
10FD12	20.0	EV-0705-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
10GV8	10.0	EV-9678-0	8.0	---	P4	C	4100	PENTODE SECTION.
10GV8	10.0	EV-2103-0	2.0	---	P4	D	2800	TRIODE SECTION.
10LD3	12.6	JR-3207-0	1.3	---	P4	E	790	TRIODE SECTION (SEE BELOW)
10LD3	12.6	JR-0607-0	0.0	---	P1	C	----	DIODE NO. 1. (SEE BELOW) NOTE 3.
10LD3	12.6	JR-0507-0	0.0	---	P1	C	----	DIODE NO. 2. (SEE BELOW) NOTE 3.
10LD12	25.0	EV-8907-0	1.3	---	P4	E	750	USE HICKOK ADAPTER SA-5, 1050-129.
10LD12	25.0	EV-0607-0	0.0	---	P1	D	----	TRIODE SECTION.
10LD12	25.0	EV-0203-0	0.0	---	P1	E	----	DIODE NO. 1. NOTE 3.
10LD12	25.0	EV-0107-0	0.0	---	P1	E	----	DIODE NO. 2. NOTE 3.
10LD12	25.0	EV-0107-0	0.0	---	P1	E	----	DIODE NO. 3. NOTE 3.
10LD13	12.6	EV-2103-0	1.3	---	P4	F	790	TRIODE SECTION.
10LD13	12.6	EV-0603-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
10LD13	12.6	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
10LD14	25.0	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 1.
10LD14	25.0	EV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 2.
10P18	50.0	EV-2793-0	4.0	---	P4	C	4500	
10PL12	50.0	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
10PL12	50.0	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
11AF9	12.6	FW-8W97-0	2.2	---	P4	C	6300	PENTODE NO. 1. USE ADAPTER SA-11.
11AF9	12.6	FW-1432-0	1.0	---	P4	C	5300	MODEL 5398# NOTE 7.
11AF9	12.6	FW-1432-0	1.0	---	P4	C	5300	PENTODE NO. 2.
11BM8	10.0	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
11BM8	10.0	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
11R3	10.0	EV-0009-0	0	90	P3	F	----	CAP=P. REVERSE METER. NOTE 1.
11Y9	10.0	FW-8W97-0	2.2	---	P4	C	6300	PENTODE NO. 1. USE ADAPTER SA-11.
11Y9	10.0	FW-8W97-0	2.2	---	P4	C	6300	MODEL 5398# USE SA-11 & CA-4.
11Y9	10.0	FW-1432-0	1.0	---	P4	C	5300	NOTE 7.
11Y9	10.0	FW-1432-0	1.0	---	P4	C	5300	PENTODE NO. 2.
12AC5	12.6	JR-6257-0	3.0	---	P4	E	950	USE HICKOK ADAPTER SA-5, 1050-129.
12AJ7	12.6	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
12AJ7	12.6	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
12B-B14	12.6	EV-1063-0	23.0	---	P4	D	2800	CAP=P. USE ADAPTER SA-8, 1050-168.
12BR3	12.6	EV-0009-0	0.0	50	P1	G	----	CAP = P. REVERSE METER. NOTE 3.
12BX6	12.6	EV-2781-9	0.5	---	P4	C	4500	
12DA6	12.6	EV-2783-9	2.2	---	P4	D	1900	
12DW4A	12.6	EV-0209-0	0.0	82	P3	G	----	USE ADAPTER SA-4, 1050-144 OR CA-4
12FQ7	12.6	EV-7608-0	3.7	---	P4	D	1640	1050-135 WITH MODEL 5398. MODEL
12FQ7	12.6	EV-2103-0	3.7	---	P4	D	1640	539C REQUIRES NO ADAPTER. NOTE 3.
12GB3	12.6	HS-5048-0	8.0	---	P4	C	7400	TRIODE NO. 1.
12G-K17	12.6	HY-0503-0	0.0	89	P3	G	----	TRIODE NO. 2.
12H-B25	12.6	EV-2079-8	12.0	---	P4	C	4100	CAP = P.
12HU8	12.6	EV-2317-0	2.0	---	P4	D	3300	NOTE 3.
12HU8	12.6	EV-6897-0	2.0	---	P4	D	3300	CAP=P. USE ADAPTER SA-8, 1050-168.
12RK19	12.6	EV-0009-0	0.0	50	P1	G	----	PENTODE NO. 1.
12S7	12.6	JR-6257-4	4.4	---	P4	E	750	PENTODE NO. 2.
12S7	21.6	JR-0307-0	0.0	---	P1	C	----	CAP = P. REVERSE METER. NOTE 3.
13CM5	12.6	HS-5048-0	11.0	---	P4	C	5000	PENTODE SECTION. USE HICKOK
13D1	25.0	HY-4506-2	3.7	---	P4	D	1640	ADAPTER SA-5, 1050-129.
13D1	25.0	HY-1203-5	3.7	---	P4	D	1640	DIODE SECTION. NOTE 3.
13D2	6.3	HY-4506-2	3.7	---	P4	D	1640	CAP = P.
13D2	6.3	HY-1203-5	3.7	---	P4	D	1640	TRIODE NO. 1.
13GB5	12.6	EV-2078-0	16.0	---	P4	C	5000	TRIODE NO. 2.
14GW8	12.6	EV-8637-0	1.0	---	P4	C	5500	CAP=P. USE ADAPTER SA-8, 1050-168.
14GW8	12.6	EV-1902-0	0.7	---	P4	E	550	PENTODE SECTION.
14K7	12.6	JR-6257-4	3.3	---	P4	E	800	TRIODE SECTION.
14K7	12.6	JR-4307-6	4.7	---	P4	E	950	HEXODE SECTION.
14L7	12.6	JR-3207-0	1.3	---	P4	E	790	TRIODE SECTION. USE ADAPTER SA-5,
14L7	12.6	JR-0607-0	0.0	---	P1	C	----	1050-129.
14L7	12.6	JR-0507-0	0.0	---	P1	C	----	TRIODE SECTION.
15CW5	12.6	EV-2793-0	8.0	---	P4	C	6300	DIODE NO. 1. NOTE 3.
15DQ8	12.6	EV-8697-0	0.6	---	P4	C	6900	
15DQ8	12.6	EV-1203-0	1.0	---	P4	D	2800	DIODE NO. 2. USE ADAPTER SA-5,
15EW7	12.6	EV-7608-0	5.4	---	P4	E	1200	1050-129. NOTE 3.
15EW7	12.6	EV-2109-0	17.0	---	P4	C	5000	SET POWER ADJUST AT 114V.
16A5	20.0	EV-2793-0	6.0	---	P4	D	3500	PENTODE SECTION.
16A8	20.0	EV-3672-0	7.2	---	P4	D	3100	TRIODE SECTION.
16A8	20.0	EV-1908-0	0.5	---	P4	D	1650	TRIODE SECTION.
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	TRIODE NO. 1. SET =POWER ADJUST=
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	AT 112V.
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	TRIODE NO. 2.
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	DISREGARD SHORTS TEST AFTER GM
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	TEST IS COMPLETED. ALLOW 60 SEC.
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	FOR WARM-UP & 5 SEC. FOR GM READ-
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	INGS. KEEP LINE ADJUSTED AT 80 V.
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	PENTODE SECTION.
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	TRIODE SECTION.
16AQ3	12.6	EV-0009-0	0.0	89	P3	G	----	REVERSE METER. CAP = P. NOTE 3.

TUBE TYPE	FIL.	SELEKTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
16HB5	20.0	B3-X72W-0	3.2	---	P4	C	4250	SET =POWER ADJUST= AT 80V. MODEL 539B# NOTE 7.
16JV6	20.0	B3-X732-X	15.0	---	P4	C	4700	SET =POWER ADJUST= AT 80V. MODEL 539B# NOTE 7.
16LUBA	20.0	B3-6489-0	10.0	---	P4	C	3500	PENTODE SECTION. NOTE 7 SET =POWER ADJUST= AT 80V.
16LUBA	20.0	B3-W20X-0	3.6	---	P4	F	650	TRIODE SECT.
16Y9	20.0	FW-8447-0	1.4	---	P4	C	6300	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. SET POWER ADJUST AT 90 V.
16Y9	20.0	FW-1432-0	0.5	---	P4	C	5300	PENTODE NO. 2.
17A8	20.0	EV-2631-0	1.2	---	P4	C	3000	PENTODE SECTION (SEE BELOW)
17A8	20.0	EV-9108-0	4.8	---	P4	C	3000	TRIODE SECTION (SEE BELOW)
17AB9	20.0	FW-978W-0	1.5	---	P4	C	3500	SET CATH ACT SWITCH TO TEST. TETRODE NO. 1. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. SET POWER ADJUST AT 85 V.
17AB9	20.0	FW-3124-0	1.5	---	P4	C	3500	TETRODE NO. 2.
17B-B14	20.0	EV-1063-0	23.0	---	P4	D	2800	CAP = P. SET 'POWER ADJUST' AT 87V USE HICKOK ADAPTER SA-8, 1050-168.
17BR3	20.0	EV-0009-0	0.0	90	P3	G	----	CAP = P. REVERSE METER. SET 'POWER ADJUST' AT 90V. NOTE 3.
17C8	20.0	EV-2613-9	0.9	---	P4	F	1400	PENTODE SECTION.
17C8	20.0	EV-0703-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
17C8	20.0	EV-0803-0	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
17DW4A	20.0	EV-0209-0	0.0	90	P3	G	----	SET POWER ADJUST AT 90V. NOTE 3. USE ADAPTER SA-4, 1050-144 OR CA-4 1050-135 WITH MODEL 539B. MODEL 539C REQUIRES NO ADAPTER.
17EW8	20.0	EV-7608-0	1.5	---	P4	C	3600	TRIODE NO. 1.
17EW8	20.0	EV-2103-0	1.5	---	P4	C	3600	TRIODE NO. 2.
17H-B25	20.0	EV-2079-8	12.0	---	P4	C	4100	CAP=P. USE ADAPTER SA-8, 1050-168. SET =POWER ADJUST AT 90V.
17KW6	20.0	EV-1637-0	12.0	---	P4	C	2600	SET CATH. ACT TO TEST POSITION. USE HICKOK ADAPTER SA-8, 1050-168.
17R-K19	20.0	EV-0009-0	0.0	90	P3	G	----	CAP = P. REVERSE METER. SET POWER ADJUST AT 90V. NOTE 3.
17Z3	20.0	EV-0009-0	0.0	---	P3	F	----	CAP = P. REVERSE METER. NOTE 3.
18GB5	20.0	EV-2078-0	16.0	---	P4	C	5000	CAP=P. USE ADAPTER SA-8, 1050-168.
18GV8	20.0	EV-9678-0	8.0	---	P4	C	4100	PENTODE SECTION.
18GV8	20.0	EV-2103-0	2.0	---	P4	D	2400	TRIODE SECTION.
18J6	20.0	ET-5207-0	1.8	---	P4	C	3340	TRIODE NO. 1.
18J6	20.0	ET-6107-0	1.8	---	P4	C	3340	TRIODE NO. 2.
19AJ8	20.0	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
19AJ8	20.0	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
19AQ5	20.0	ET-1562-0	2.1	---	P4	D	2600	
19BR5	20.0	EV-1902-0	VARY	100	P4	G	----	CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE.
19BX6	20.0	EV-2781-9	0.5	---	P4	C	4500	
19BY7	20.0	EV-2781-9	2.0	---	P4	D	2500	
19D8	20.0	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
19D8	20.0	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
19EW7	20.0	EV-7608-0	5.4	---	P4	E	1200	TRIODE NO. 1.
19EW7	20.0	EV-2109-0	17.0	---	P4	C	5000	TRIODE NO. 2.
19FL8	20.0	EV-2613-9	2.6	---	P4	D	1800	PENTODE SECTION.
19FL8	20.0	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
19FL8	20.0	EV-0703-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
19G3	4.3	HS-0000-0	0.0	---	P3	G	----	CAP = P. NOTE 3.
19KF6	20.0	EV-7963-2	20.0	---	P4	C	4400	USE HICKOK ADAPTER SA-8, 1050-168.
20A3	6.3	ET-1602-5		89	P5	G	----	STRIKES AT ABOUT 1.8V. NOTE 2.
20AQ3	20.0	EV-0009-0	0.0	89	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
20EW7	20.0	EV-7608-0	5.4	---	P4	E	1200	TRIODE NO. 1.
20EW7	20.0	EV-2109-0	17.0	---	P4	C	5000	TRIODE NO. 2.
20LF6	20.0	B3-5032-4	23.0	---	P4	C	5200	CAP=P. MODEL 539B# NOTE 7.
21KQ6	20.0	EV-8039-2	7.0	---	P4	C	5700	CAP = P. PLATE VOLTS = LOW. USE HICKOK ADAPTER SA-8, 1050-168.

TUBE TYPE	FIL.	SELECTORS	HIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MULT. COND.	NOTATIONS
23JS6A	25.0	K3-5032-4	25.0	---	P4	C	3150	CAP = P. NOTE 7.
25B-R14	25.0	EV-1063-0	23	---	P4	D	2800	CAP=P. USE ADAPTER SA-8, 1050-168.
25BR3	25.0	EV-0009-0	0.0	50	P1	G	----	CAP = P. REVERSE METER. NOTE 3.
25E5	25.0	HS-5048-0	11.0	---	P4	C	5000	CAP = P.
25H-B25	25.0	EV-2079-8	17.0	---	P4	C	4100	CAP=P. USE ADAPTER SA-8, 1050-168.
25HX5	25.0	EV-7963-0	15.0	---	P4	C	4100	USE ADAPTER SA-8, 1050-168.
25R-K19	25.0	EV-0009-0	0.0	50	P1	G	----	CAP = P. REVERSE METER. NOTE 3.
26AQ8	25.0	LV-7408-9	1.6	---	P4	D	2500	TRIODE NO. 1.
26AQ8	25.0	LV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 2.
26DQ5	25.0	HS-1043-0	26.0	---	P4	D	3000	CAP=P.
27GB5	25.0	EV-2078-0	16.0	---	P4	C	5000	CAP=P. USE ADAPTER SA-8, 1050-168.
27KG6	25.0	EV-1039-2	27.0	---	P4	D	2600	CAP=P. USE ADAPTER SA-8, 1050-168.
27LF6	25.0	K3-5032-4	23.0	---	P4	C	5200	CAP=P. MODEL 539H# NOTE 7.
28AK8	25.0	EV-8907-0	1.3	---	P4	F	750	TRIODE SECTION.
28AK8	25.0	EV-0607-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
28AK8	25.0	EV-0203-0	0.0	---	P1	F	----	DIODE NO. 2. NOTE 3.
28AK8	25.0	EV-0107-0	0.0	---	P1	F	----	DIODE NO. 3. NOTE 3.
28EC4	25.0	EV-0007-0	0.0	90	P3	G	----	CAP = P. REVERSE METER. USE ADAPTER SA-8, 1050-168. NOTE 3.
29KQ6	25.0	EV-8039-2	7.0	---	P4	C	5700	CAP = P. PLATE VOLTS = LOW.
30A5	35.0	KT-2761-0	4.0	---	P4	C	4500	USE HICKOK ADAPTER SA-8, 1050-168. BEFORE PLACING TUBE IN SOCKET, COUNT COUNTERCLOCKWISE AND JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 4 & 9 OF 9 PIN MIN. SOCKET.
30AE3	25.0	EV-0009-0	0.0	89	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
30C1	10.0	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION
30C1	10.0	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
30CW5	25.0	EV-2793-0	8.0	---	P4	C	6300	
30L1	7.3	EV-6907-0	3.8	---	P4	C	3750	TRIODE NO. 1.
30L1	7.3	EV-2301-0	3.8	---	P4	C	1750	TRIODE NO. 2.
30PL12	12.6	EV-3672-0	7.2	---	P4	D	3100	PENTODE SECTION
30PL12	12.6	EV-1908-0	0.5	---	P4	D	1650	TRIODE SECTION
31A3	35.0	RY-0207-0	0.0	82	P3	G	----	SET POWER ADJUST TO 85V. USE ADAPTER SA-5, 1050-129. NOTE 3.
31AV3	35.0	EV-0903-0	0.0	82	P3	G	----	SET POWER ADJUST TO 85V. NOTE 3.
32A8	35.0	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
32A8	35.0	EV-1908-0	0.6	---	P4	F	1350	TRIODE SECTION.
34R3	35.0	EV-0009-0	0.0	90	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
35D5	35.0	EV-1623-0	1.5	---	---	C	3650	HOLD DOWN P1 AND PRESS P4.
38A3	35.0	EV-0903-0	0.0	88	P3	C	---	NOTE 3.
40KG6	35.0	EV-1039-2	27.0	---	P4	D	2600	CAP=P. USE ADAPTER SA-8, 1050-168.
42EC4	50.0	EV-0007-0	0.0	90	P3	G	----	CAP = P. METER REVERSE USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3.
45A5	50.0	JR-6257-0	1.0	---	P4	C	6300	USE HICKOK ADAPTER SA-5, 1050-129.
45B5	50.0	EV-2793-0	4.0	---	P4	C	4500	
50BM8	50.0	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
50BM8	50.0	EV-1908-0	0.6	---	P4	F	1350	TRIODE SECTION.
50E5	50.0	HS-5048-0	11.0	---	P4	C	5000	CAP = P.
50JY6	50.0	HS-5048-3	15.0	---	P4	C	4100	CAP = P.
85A1	OFF	AP-0208-0	---	---	P4	H	85V	STARTS AT ABOUT 120V. REGULATION = 3 VOLTS FROM 1 TO 8MA.
85A2	OFF	AP-0102-0	---	---	P4	H	85V	STARTS AT ABOUT 125V. REGULATION = 3 VOLTS FROM 1 TO 10MA.
90C1	OFF	AP-0507-0	---	---	P4	H	90V	REGULATION = 14 VOLTS, 1 TO 40 MA.
95A1	OFF	AP-0501-0	---	---	P4	H	95V	REGULATION = 5 VOLTS, 2 TO 10 MA. CONNECT A 470K RESISTOR BETWEEN PINS 1, 4, ANY SOCKET ON TESTER.
								STARTS AT ABOUT 110 VOLTS.
108C1	OFF	AP-0502-0	---	---	P4	H	108V	STARTS AT ABOUT 115V. REGULATION = 2 VOLTS FROM 5 TO 30 MA.
150B2	OFF	AP-0102-0	---	---	P4	H	150V	STARTS UNDER 180V. REGULATION = 5 VOLTS FROM 5 TO 15 MA.
150C2	OFF	AP-0502-0	---	---	P4	H	150V	STARTS AT ABOUT 155V REGULATION = 2 VOLTS FROM 5 TO 30 MA.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
5894	12.6	HR-6034-0	5.4	---	P4	D	2400	PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
5894	12.6	HR-2034-0	5.6	---	P4	D	2400	PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
5911	0.6	DV-4120-0	5.7	---	P4	F	65	NOTE 6.
5913	1.1	DV-4120-0	4.4	---	P4	F	260	NOTE 6.
5920	6.3	ET-5207-0	4.8	---	P4	D	3150	TRIODE NO. 1.
5920	6.3	ET-6107-0	4.8	---	P4	D	3150	TRIODE NO. 2.
6042	25.0	HY-4506-2	3.7	---	P4	D	1640	TRIODE NO. 1.
6042	25.0	HY-1203-5	3.7	---	P4	D	1540	TRIODE NO. 2.
6057	12.6	EV-7608-0	1.3	---	P4	D	875	TRIODE NO. 1.
6057	12.6	EV-2103-0	1.3	---	P4	D	875	TRIODE NO. 2.
6059	6.3	EV-2783-9	3.0	---	P4	F	750	
6060	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 1.
6060	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 2.
6061	6.3	EV-2783-9	3.3	---	P4	D	2600	
6063	6.3	ET-0607-1	0.0	H5	P3	G	----	PLATE NO. 1. NOTE 3.
6063	6.3	ET-0107-6	0.0	H5	P3	G	----	PLATE NO. 2. NOTE 3.
6064	6.3	ET-1572-6	1.0	---	P4	C	3800	
6065	6.3	ET-1572-6	0.7	---	P4	D	1400	
6066	6.3	ET-1702-0	1.5	---	P4	F	820	TRIODE SECTION.
6066	6.3	ET-1602-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
6066	6.3	ET-1502-0	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
6067	12.6	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 1.
6067	12.6	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 2.
6118	6.3	HS-0308-1	2.3	---	P4	F	500	TRIODE SECTION CAP = G.
6118	6.3	HS-0508-3	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
6118	6.3	HS-0408-3	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
6132	6.3	EV-2783-9	0.0	---	P4	C	6500	
6227	6.3	EV-2783-9	2.2	---	P4	C	4200	
6252	12.6	HR-2034-0	5.0	---	P4	F	1550	TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
6252	12.6	HR-6034-0	5.0	---	P4	E	1550	TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
6267	6.3	EV-9613-8	1.5	---	P4	D	1150	
6360	12.6	EV-3872-0	8.0	---	P4	D	2100	TETRODE NO. 1. NOTE # 1-, 2+.
6360	12.6	EV-1672-0	8.0	---	P4	D	2100	TETRODE NO. 2. NOTE # 3-, 2+.
6374	6.3	EV-0003-0	0.0	H8	P3	G	----	CAP = P. NOTE 3.
6375	1.1	EV-1800-0	4.5	---	P4	D	2150	NOTE 6.
6516	6.3	ET-1572-0	5.3	---	P4	D	1650	
6686	6.3	EV-2783-9	1.0	---	P4	C	4600	
6687	6.3	ET-1562-7	1.0	---	P4	D	630	GRID NO. 1. PLATE VOLTS = LOW.
6687	6.3	ET-7562-1	1.8	---	P4	D	630	GRID NO. 3. PLATE VOLTS = LOW.
6688	6.3	EV-2791-8	0.4	---	P4	C	7000	
6689	6.3	EV-2613-9	2.1	---	P4	C	4200	
6761	6.3	EV-2173-0	8.0	---	P4	C	5000	
6907	12.6	HR-2034-0	5.0	---	P4	E	1550	TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
6907	12.6	HR-6034-0	5.0	---	P4	E	1550	TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
6922	6.3	EV-7608-0	2.6	---	P4	C	7000	TRIODE NO. 1.
6922	6.3	EV-2103-0	2.6	---	P4	C	7000	TRIODE NO. 2.
6927	6.3	ET-5207-0	1.8	---	P4	C	3340	TRIODE NO. 1.
6927	6.3	ET-6107-0	1.8	---	P4	C	3340	TRIODE NO. 2.
6939	12.6	EV-3872-0	3.5	---	P4	D	3150	TETRODE NO. 1. NOTE # 1-, 2+.
6939	12.6	EV-1672-0	3.5	---	P4	D	3150	TETRODE NO. 2. NOTE # 3-, 2+.
7062	12.6	EV-7608-1	1.8	---	P4	C	4100	TRIODE NO. 1. BIAS CUTOFF - 6V.
7062	12.6	EV-2103-6	1.8	---	P4	C	4100	TRIODE NO. 2. BIAS CUTOFF - 6V.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
7308	6.3	FV-7608-0	2.6	---	P4	C	7000	TRIODE NO. 1.
7308	6.3	EV-2103-0	2.6	---	P4	C	7000	TRIODE NO. 2.
7320	6.3	FV-2793-0	1.0	---	P4	C	5650	TUBES INDICATING GAS# RETEST USING EV-1793-0.
7534	6.3	HS-5048-0	15.0	---	P4	C	4000	CAP = P.
7643	6.3	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
7643	6.3	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
7645	12.6	EV-3872-0	3.5	---	P4	D	3150	TETRODE NO. 1. NOTE R# 1-, 2+.
7645	12.6	FV-1672-0	3.5	---	P4	D	3150	TETRODE NO. 2. NOTE R# 3-, 2+.
7693	6.3	ET-1562-7	0.8	---	P4	C	2150	
7694	6.3	ET-1562-7	0.8	---	P4	C	2400	
7694	12.6	EV-3872-0	3.5	---	P4	D	3150	TETRODE NO. 1. NOTE R# 1-, 2+.
7694	12.6	EV-1672-0	3.5	---	P4	D	3150	TETRODE NO. 2. NOTE R# 3-, 2+.
7721	6.3	EV-2791-8	1.0	---	P4	B	6300	
7737	6.3	EV-2791-8	0.4	---	P4	C	7000	
7751	6.3	HS-5348-0	25.0	---	P4	C	3800	
7788	6.3	EV-2793-8	2.6	---	P4	D	1500	
7854	12.6	HR-6034-0	5.6	---	P4	D	2400	PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE R# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
7854	12.6	HR-2034-0	5.6	---	P4	D	2400	PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE R# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
8233	6.3	EV-8139-0	0.0	---	P4	C	5700	USE HICKOK ADAPTER SA-8, 1050-168. PLACE 1.5K OHM RESISTOR SHUNTED WITH A 100 MFD CAPACITOR ACROSS THE SELF BIAS JACKS.
8255	6.3	EV-9802-0	1.3	---	P4	C	7500	
8278	6.3	EV-3986-0	5.8	---	P4	C	7300	USE HICKOK ADAPTER SA-8, 1050-168.
8348	1.4	EV-1670-3	1.0	---	P4	D	2200	TETRODE NO. 1.
8348	1.4	EV-3870-1	1.0	---	P4	D	2200	TETRODE NO. 2.
8416	12.6	EV-7608-0	2.6	---	P4	C	7000	TRIODE NO. 1.
8416	12.6	EV-2103-0	2.6	---	P4	C	7000	TRIODE NO. 2.
8457	12.6	FV-3872-0	8.0	---	P4	D	2100	TETRODE NO. 1 NOTE R#1-,2+.
8457	12.6	EV-1672-0	8.0	---	P4	D	2100	TETRODE NO. 2 NOTE R#3-,2+.
8458	12.6	EV-3872-0	8.0	---	P4	D	2100	TETRODE NO. 1. NOTE R#1-,2+.
8458	12.6	EV-1672-0	8.0	---	P4	D	2100	TETRODE NO.2. NOTE R#3-,2+. USE AD APTER SA-4, 1050-144 OR CA-4, 1050 -135. NOTE 7. 539C.. NO ADAPTER REQ
8509	2.0	BU-6030-0	5.6	---	P4	D	2400	PLATE NO.1. USE ADAPTER SA-6, 1050-107. NOTE R#2-,4+.CONNECT PLATE JACK CONNECTOR TO RIGHT CAP.
8509	2.0	BU-2030-0	5.6	---	P4	D	2400	PLATE NO. 2. NOTE R#6-,4+.CONNECT THE PLATE JACK CONNECTOR TO LEFT CAP.
8556	6.3	EV-1802-0	0.0	---	P4	C	6300	USE RK = 470HM. SHUNT WITH 1000 MFD CAP.
8562	6.3	EV-9802-0	1.3	---	P4	C	7500	
8595	12.6	EV-3872-0	3.5	---	P4	D	3150	TETRODE NO. 1 NOTE R#1-,2+.
8595	12.6	EV-1672-0	3.5	---	P4	D	3150	TETRODE NO. 2 NOTE R#3-,2+.
8608	6.3	EV-8039-2	1.3	---	P4	B	12600	CAP=P. USE HICKOK ADAPTER SA-8, 1050-168
8637	12.6	FZ-1672-0	8.0	---	P4	C	3100	TETRODE NO. 1. (SEE BELOW)
8637	12.6	FZ-3872-0	8.0	---	P4	C	3100	TETRODE NO. 2. (SEE BELOW)
8737	12.6	HR-6034-0	5.6	---	P4	D	2400	USE HICKOK ADAPTER SA-8, 1050-168. PLATE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE R#2-,4+.
8737	12.6	HR-2034-0	5.6	---	P4	D	2400	CONNECT PLATE JACK TO RIGHT CAP. PLATE NO. 2. USE ADAPTER SA-6, 1050-107. NOTE R#6-4+.
18042	20.0	EV-2613-9	1.6	---	P4	C	5650	CONNECT PLATE JACK TO LEFT CAP.
18043	6.3	EV-2613-9	2.1	---	P4	C	4200	
18045	20.0	EV-2783-9	0.4	---	P4	C	5250	
18046	20.0	EV-2783-9	0.4	---	P4	C	5250	
18048	20.0	JR-6247-3	3.2	---	P4	D	2800	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	MUTATIONS
A2900	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 1.
A2900	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 2.
AX9903	12.6	HR-6034-0	5.6	---	P4	D	2400	PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE P# 2-, 4-, & CONNECT PLATE JACK TO RIGHT CAP.
AX9903	12.6	HR-2034-0	5.6	---	P4	D	2400	PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE R# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
AX9910	12.6	HR-2034-0	5.0	---	P4	F	1550	TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE R# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
AX9910	12.6	HR-6034-0	5.0	---	P4	F	1550	TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE R# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
AZ41	4.3	HY-0600-0	0.0	56	P3	G	----	PLATE NO. 1. (SEE BELOW) NOTE 3.
AZ41	4.3	JX-0200-0	0.0	51	P3	G	----	PLATE NO. 2. (SEE BELOW) NOTE 3.
B36	12.6	HY-4506-2	3.7	---	P4	D	1640	USE HICKOK ADAPTER SA-5, 1050-129.
B36	12.6	HY-1203-5	3.7	---	P4	D	1640	TRIODE NO. 1.
B65	6.3	HY-1203-5	0.4	---	P4	D	1640	TRIODE NO. 2.
B65	6.3	HY-4506-2	3.7	---	P4	D	1640	TRIODE NO. 1.
B109	25.0	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 2.
B109	25.0	EV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 1.
B152	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 2.
B152	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 1.
B309	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 2.
B309	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 1.
B319	7.5	EV-2301-0	3.8	---	P4	C	3750	TRIODE NO. 2.
B319	7.5	EV-6907-0	3.8	---	P4	C	3750	TRIODE NO. 1.
B329	12.6	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 2.
B329	12.6	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 1.
B339	12.6	EV-7608-0	1.3	---	P4	D	875	TRIODE NO. 2.
B339	12.6	EV-2103-0	1.3	---	P4	D	875	TRIODE NO. 1.
B719	6.3	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 2.
B719	6.3	EV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 1.
BPM04	6.3	ET-1562-0	2.1	---	P4	D	2600	TRIODE NO. 2.
C3G	6.3	JR-6345-2	1.0	---	P4	C	5750	TRIODE NO. 1.
C3M	20.0	JR-6247-3	3.2	---	P4	D	2800	TRIODE NO. 2.
CCA	6.3	EV-7608-0	2.6	---	P4	C	7000	TRIODE NO. 1.
CCA	6.3	EV-2103-0	2.6	---	P4	C	7000	TRIODE NO. 2.
D3A	6.3	EV-2791-8	1.0	---	P4	B	6300	DIODE NO. 1. NOTE 3.
D63	6.3	HS-0508-0	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
D63	6.3	HS-0304-0	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
D77	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
D77	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
D152	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
D152	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
DA90	1.4	HR-0203-0	0.0	---	P1	D	----	DIODE. NOTE 3.
DAF91	1.4	BX-6540-0	1.0	---	P4	E	390	PENTODE SECTION. PLATE VOLTS = LOW NOTE 6.
DAF91	1.4	BX-0340-0	0.0	---	P1	D	----	DIODE SECTION. NOTES 3 & 6.
DAF92	1.4	BX-6230-0	1.0	---	P4	E	390	PENTODE SECTION. PLATE VOLTS=LOW. NOTE 6.
DAF92	1.4	BX-6430-0	0.0	---	P1	D	----	DIODE SECTION. NOTES 3 & 6.
DC70	1.1	EV-1800-0	4.5	---	P4	D	2150	NOTE 6.
DC90	1.4	BX-5200-0	8.4	---	---	D	700	HOLD DOWN P1 AND PRESS P4. NOTE 6.
DCC90	3.0	BX-5600-0	7.2	---	P4	E	1260	TRIODE NO. 1. NOTE 6.
DCC90	3.0	HR-3200-0	7.2	---	P4	E	1260	TRIODE NO. 2. NOTE 6.
DCF60	1.1	EX-3120-5	0.5	---	P4	F	315	PENTODE SECTION. NOTE 6.
DCF60	1.1	EX-5600-3	4.0	---	P4	F	190	TRIODE SECTION. NOTE 6.
DD6	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
DD6	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
DDR7	6.3	ET-1572-0	5.3	---	P4	D	1650	CAP = G. NOTE 6.
DF33	1.4	HS-0340-0	1.1	---	P4	E	480	PLATE VOLTS=LOW. NOTE 6.
DF60	1.1	DV-4120-0	0.0	---	P4	D	690	

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	MUTATIONS
DF61	1.4	DV-0704-1	0.0	---	P1	D	----	OK ABOVE 700 OHM 6000 SCALE. MAKE NO GAS TEST. NOTES 3 & 6.
DF62	1.1	DV-4120-0	1.0	---	P4	D	1000	PLATE VOLTS = LOW. NOTE 6.
DF67	0.6	DV-4120-0	5.7	---	P4	F	65	NOTE 6.
DF91	1.4	HX-6230-0	0.0	---	P4	F	440	PLATE VOLTS = LOW. NOTE 6.
DF92	1.4	HR-6230-0	2.8	---	P4	E	650	NOTE 6.
DF96	1.4	HR-6230-0	4.4	---	P4	F	300	
DF904	1.4	HX-6230-0	1.7	---	P4	F	570	NOTE 6.
DH63	6.3	HS-0308-1	2.3	---	P4	F	500	TRIODE SECTION. CAP = G.
DH63	6.3	HS-0508-3	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
DH63	6.3	HS-0408-3	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
DH77	6.3	ET-1702-0	1.5	---	P4	E	820	TRIODE SECTION.
DH77	6.3	ET-1602-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
DH77	6.3	ET-1520-0	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
DK91	1.4	BX-6234-0	2.0	---	P4	E	380	GRID NO. 3. NOTE 6.
DK91	1.4	BX-4306-2	2.0	---	P4	E	380	PLATE VOLTS = LOW.
DK32	1.4	HS-5340-0	0.0	---	--	F	575	OSC. SECTION. PLATE VOLTS = LOW. NOTE 6.
DK32	1.4	HS-5340-0	0.0	---	--	F	575	PENTODE SECTION. CAP=G.
DK32	1.4	HS-5340-0	0.0	---	--	F	575	HOLD DOWN P1 AND PRESS P4. NOTE 6
DL33	2.5	HS-5340-0	8.3	---	P4	F	1130	OSC. SECTION
DL35	1.4	HS-5340-0	10.6	---	P4	F	1000	NOTE 6.
DL36	1.4	HS-5340-0	7.5	---	P4	C	1320	NOTE 6.
DL63	6.3	HS-0308-0	2.4	---	P4	E	1260	TRIODE SECTION CAP = G.
DL63	6.3	HS-0508-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
DL63	6.3	HS-0408-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
DL66	1.1	DV-4120-0	0.0	---	--	D	----	NOTES 3&6. HOLD DOWN P1, PRESS P5.
DL67	1.1	DV-4120-0	4.4	---	P4	F	260	NOTE 6.
DL91	1.4	BX-3240-0	4.5	---	P4	E	950	PLATE VOLTS = LOW. NOTE 6.
DL92	2.5	HR-3240-0	5.0	---	P4	E	950	PLATE VOLTS = LOW. NOTE 6.
DL93	2.5	BX-4230-0	1.0	---	--	D	1260	HOLD DOWN P1 AND PRESS 4. NOTE 6.
DL94	3.0	HR-6230-0	6.0	---	P4	E	1260	NOTE 6.
DL95	3.0	HR-3240-0	4.0	---	P4	E	1350	NOTE 6.
DL96	2.5	BX-6230-0	4.0	---	P4	E	850	PLATE VOLTS = LOW. NOTE 6.
DL98	2.5	EV-3710-0	15.0	---	P4	E	1070	NOTE 6.
DM70	1.4	EV-1800-0	VARY	---	P5	C	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BELOW 4.0 VOLTS.
DM71	1.4	EV-1800-0	VARY	---	P5	C	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BELOW 4.0 VOLTS.
DP61	6.3	ET-1562-0	1.8	---	P4	C	3150	
DX263	2.0	BU-6030-0	5.6	---	P4	D	2400	PLATE NO. 1 USE HICKOK ADAPTER SA-6, 1050-107. NOTE 8#2-,4+.
DX263	2.0	BU-2030-0	5.6	---	P4	D	2400	CONNECT PLATE JACK TO RIGHT CAP
DX263	2.0	BU-2030-0	5.6	---	P4	D	2400	PLATE NO. 2 NOTE 8#6-,4+.
DX296	12.6	FZ-1672-0	8.0	---	P4	C	3100	CONNECT PLATE JACK TO LEFT CAP.
DX296	12.6	FZ-3872-0	8.0	---	P4	C	3100	TETRODE NO. 1. (SEE BELOW)
DX296	12.6	FZ-3872-0	8.0	---	P4	C	3100	NOTE 8# 3-, 2+.
DY30	1.1	HS-0000-0	0.0	12	P5	G	----	TETRODE NO. 2. (SEE BELOW)
DY51	1.4	CX-0000-0	0.0	27	P5	G	----	NOTE 8# 1-, 2+. USE ADAPTER SA-8, 1050-168.
DY80	1.1	BS-0000-0	0.0	12	P5	G	----	CAP = P. NOTES 3 & 6.
DY86	1.4	ES-0000-0	0.0	14	P5	G	----	CONNECT FIL. LEADS TO OCTAL SOCKET
DY87	1.4	ES-0000-0	0.0	14	P5	G	----	PINS 2 & 7. NOTES 3 & 6. SINGLE LEAD = P.
DY802	1.4	BS-0000-0	0	15	P5	G	----	
E55L	6.3	EV-8139-0	0.0	---	P4	C	5700	CAP = P. NOTES 3 & 6.
E80CC	12.6	EV-7608-0	2.3	---	P4	D	1700	CAP = P. NOTE 3.
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	CAP = P. NOTE 3.
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	CAP = P. NOTE 3.
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	CAP=P. NOTES 3 & 6.
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	USE HICKOK ADAPTER SA-8, 1050-168.
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	PLACE 1.5K OHM RESISTOR SHUNTED
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	WITH A 100 MFD CAPACITOR ACROSS
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	THE SELF BIAS JACKS.
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	TRIODE NO. 1.
E80CC	12.6	FV-2103-0	2.3	---	P4	D	1700	TRIODE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
E80CF	6.3	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
E80CF	6.3	FV-910R-6	4.8	---	P4	C	3000	TRIODE SECTION.
E80F	6.3	EV-9613-8	2.8	---	P4	D	1160	
E80L	6.3	EV-2783-9	2.2	---	P4	C	4200	
E81CC	12.6	FV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 1.
E81CC	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 2.
E81L	6.3	EV-2783-9	1.0	---	P4	C	4600	
E82CC	12.6	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 1.
E82CC	12.6	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 2.
E83CC	12.6	EV-7608-0	1.3	---	P4	D	875	TRIODE NO. 1.
E83CC	12.6	EV-2103-0	1.3	---	P4	D	875	TRIODE NO. 2.
E83F	6.3	EV-2613-9	2.1	---	P4	C	4200	
E84L	6.3	EV-2793-0	1.0	---	P4	C	5650	FOR TUBES INDICATING GAS, RETEST USING FV-1793-0.
E86C	6.3	EV-2103-0	1.2	---	P4	B	8800	
E88C	6.3	EV-9802-0	1.3	---	P4	C	7500	
E88CC	6.3	EV-7608-0	2.6	---	P4	C	7000	TRIODE NO. 1.
E88CC	6.3	EV-2103-0	2.6	---	P4	C	7000	TRIODE NO. 2.
E90CC	6.3	ET-5207-0	4.8	---	P4	D	3150	TRIODE NO. 1.
E90CC	6.3	ET-6107-0	4.8	---	P4	D	3150	TRIODE NO. 2.
E90F	6.3	ET-1562-7	0.8	---	P4	C	2150	
E91AA	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
E91AA	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
E91H	6.3	ET-1562-7	1.0	---	P4	D	630	GRID NO. 1. PLATE VOLTS = LOW.
E91H	6.3	ET-7562-1	1.8	---	P4	D	630	GRID NO. 3. PLATE VOLTS = LOW.
E91N	6.3	ET-1602-5	---	89	P5	G	----	STRIKES AT ABOUT 1.8V. NOTES 3&2.
E92CC	6.3	ET-6107-0	1.6	---	P4	C	3750	TRIODE NO. 1.
E92CC	6.3	ET-5207-0	1.6	---	P4	C	3750	TRIODE NO. 2.
E95F	6.3	ET-1562-0	1.8	---	P4	C	3150	
E99F	6.3	ET-1562-7	0.8	---	P4	C	2400	
E130L	6.3	HS-5048-0	15.0	---	P4	C	4000	CAP = P.
E180CC	12.6	EV-7608-1	1.8	---	P4	C	4100	TRIODE NO. 1.
E180CC	12.6	EV-2103-6	1.8	---	P4	C	4100	BIAS CUTOFF VOLTS = 6V.
E180CC	12.6	EV-2103-6	1.8	---	P4	C	4100	TRIODE NO. 2.
E180F	6.3	EV-2791-8	0.4	---	P4	C	7000	BIAS CUTOFF VOLTS = 6V.
E182CC	12.6	EV-7608-0	2.6	---	P4	C	7000	TRIODE NO. 1.
E182CC	12.6	EV-2103-0	2.6	---	P4	C	7000	TRIODE NO. 2.
E182F	6.3	DZ-1684-0	1.7	---	P4	B	7900	
E186F	6.3	EV-2791-8	0.4	---	P4	C	7000	
E188CC	6.3	EV-7608-0	2.6	---	P4	C	7000	TRIODE NO. 1.
E188CC	6.3	EV-2103-0	2.6	---	P4	C	7000	TRIODE NO. 2.
E235L	6.3	HS-5348-0	25.0	---	P4	C	3800	
E283CC	6.3	EV-9801-7	2.4	---	P4	E	315	TRIODE NO. 1.
E283CC	6.3	EV-2306-7	2.4	---	P4	E	315	TRIODE NO. 2.
E810F	6.3	EV-2793-8	2.6	---	P4	D	1500	
E2134	6.3	ET-1592-0	3.0	---	P4	C	4250	
EA76	6.3	BU-0203-0	0.0	10	P1	G	----	NOTE 3.
EA91	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
EA91	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
EA901	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
EA901	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
EA901S	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
EA901S	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
EABC80	6.3	EV-8907-0	1.3	---	P4	E	750	TRIODE SECTION.
EABC80	6.3	EV-0607-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
EABC80	6.3	EV-0203-0	0.0	---	P1	F	----	DIODE NO. 2. NOTE 3.
EABC80	6.3	EV-0107-0	0.0	---	P1	E	----	DIODE NO. 3. NOTE 3.
EAF42	6.3	JR-6257-4	4.4	---	P4	E	750	PENTODE SECTION.
EAF42	6.3	JR-0307-0	0.0	---	P1	C	----	DIODE SECTION. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3.
EAM86	6.3	EV-8769-3	19.0	---	P4	A	----	SOLID BAR (SEE BELOW)
EAM86	6.3	EV-8769-3	6.0	---	P4	A	----	SPLIT BAR (ALSO ABOVE) PLATE VOLTS = LOW. SHORT ON POSITION 'E'.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTIONS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
EAM86	6.3	EV-0703-0	0.0	---	P1	D	----	DIODE.
EB41	6.3	JR-0607-0	0.0	0	P1	G	----	DIODE NO. 1. (SEE BELOW) NOTE 3.
EB41	6.3	JR-0403-0	0.0	0	P1	G	----	DIODE NO. 2. (SEE BELOW) NOTE 3.
EB91	6.3	ET-0701-6	0.0	0	P1	G	----	USE HICKOK ADAPTER SA-5, 1050-129.
EB91	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
EBC33	6.3	HS-0308-0	2.4	---	P4	F	1260	DIODE NO. 2. NOTE 3.
EBC33	6.3	HS-0508-0	2.4	---	P1	C	----	TRIODE SECTION. CAP = G.
EBC33	6.3	HS-0408-0	2.4	---	P1	C	----	DIODE NO. 1. NOTE 3.
EBC41	6.3	JR-3207-0	1.3	---	P4	F	790	DIODE NO. 2. NOTE 3.
EBC41	6.3	JR-0607-0	0.0	---	P1	C	----	TRIODE SECTION.
EBC41	6.3	JR-0507-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
EBC81	6.3	EV-2103-0	1.3	---	P4	E	790	DIODE NO. 2. NOTE 3.
EBC81	6.3	EV-0603-0	0.0	---	P1	C	----	USE HICKOK ADAPTER SA-5, 1050-129.
EBC81	6.3	EV-0803-0	0.0	---	P1	C	----	TRIODE SECTION.
EBC90	6.3	ET-1702-0	1.5	---	P4	E	820	DIODE NO. 1. NOTE 3.
EBC90	6.3	ET-1602-0	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
EBC90	6.3	ET-1502-0	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
EBC91	6.3	ET-1702-5	1.3	---	P4	E	800	TRIODE SECTION.
EBC91	6.3	ET-1602-5	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
EBC91	6.3	ET-1502-7	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
EBF32	6.3	HS-0368-1	4.0	---	P4	E	720	PENTODE SECTION. CAP = G.
EBF32	6.3	HS-0568-1	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
EBF32	6.3	HS-0468-1	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
EBF80	6.3	EV-2613-9	0.9	---	P4	E	1400	PENTODE SECTION.
EBF80	6.3	EV-2713-9	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
EBF80	6.3	EV-2813-9	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
EBF83	6.3	EV-2163-9	0.0	---	P1	D	----	PENTODE SECTION. NOTE 3.
EBF83	6.3	EV-0803-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
EBF83	6.3	EV-0703-0	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
EBF89	6.3	EV-2613-9	2.6	---	P4	D	1800	PENTODE SECTION.
EBF89	6.3	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
EBF89	6.3	EV-0703-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
EC71	6.3	DW-1805-7	0.6	---	P4	C	3450	PLATE VOLTS = LOW.
EC80	6.3	EV-1903-0	0.5	---	P4	B	7600	
EC81	6.3	EV-1803-0	5.0	---	P4	D	2500	
EC84	6.3	JX-1502-0	2.2	---	P4	C	6300	
EC86	6.3	EV-2103-0	1.2	---	P4	B	8800	
EC88	6.3	EV-9802-0	1.3	---	P4	C	7500	
EC90	6.3	ET-6107-0	4.8	---	P4	E	1380	
EC91	6.3	ET-1705-0	0.8	---	P4	C	5300	
EC92	6.3	ET-6107-0	1.6	---	P4	D	2500	
EC94	6.3	ET-2105-0	1.4	---	P4	C	4200	PLATE VOLTS = LOW.
EC95	6.3	ET-2567-0	0.8	---	P4	C	4500	
EC97	6.3	ET-2501-6	1.4	---	P4	C	7000	
EC806S	6.3	EV-2103-0	1.2	---	P4	B	8800	
EC900	6.3	ET-1502-6	1.2	---	P4	C	8000	
EC8010	6.3	EV-1802-0	0.0	---	P4	C	6300	USE RK = 47 OHM SHUNT WITH 1000MFD CAP.
ECC33	6.3	HY-4506-2	3.7	---	P4	D	1640	TRIODE NO. 1.
ECC33	6.3	HY-1203-5	3.7	---	P4	D	1640	TRIODE NO. 2.
ECC35	6.3	HY-4506-2	0.4	---	P4	D	1000	TRIODE NO. 1.
ECC35	6.3	HY-1203-5	0.4	---	P4	D	1000	TRIODE NO. 2.
ECC40	6.3	JR-6507-0	2.6	---	P4	D	1825	TRIODE NO. 1.
ECC40	6.3	JR-3204-0	2.6	---	P4	D	1825	TRIODE NO. 2. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129.
ECC81	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 1.
ECC81	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 2.
ECC82	12.6	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 1.
ECC82	12.6	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 2.
ECC83	12.6	EV-7608-0	1.3	---	P4	D	875	TRIODE NO. 1.
ECC83	12.6	EV-2103-0	1.3	---	P4	D	875	TRIODE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
ECC84	6.3	EV-6907-0	3.8	---	P4	C	3750	TRIODE NO. 1.
ECC84	6.3	EV-2301-0	3.8	---	P4	C	3750	TRIODE NO. 2.
ECC85	6.3	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 1.
FCC85	6.3	EV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 2.
ECC86	6.3	EV-7608-0	1.8	---	P1	E	----	TRIODE NO. 1. (SEE BELOW) NOTE 3.
ECC86	6.3	EV-2103-0	1.8	---	P1	E	----	TRIODE NO. 2. (SEE BELOW) NOTE 3.
ECC88	6.3	EV-7608-0	3.0	---	P4	C	7750	NO GAS TEST. OK ABOVE DIODES OK.
ECC88	6.3	EV-2103-0	3.0	---	P4	C	7750	TRIODE NO. 1.
ECC89	6.3	EV-6908-0	2.4	---	P4	C	6000	TRIODE NO. 2.
ECC89	6.3	EV-2301-0	2.4	---	P4	C	6000	TRIODE NO. 1.
ECC91	6.3	ET-5207-0	1.8	---	P4	C	3340	TRIODE NO. 2.
ECC91	6.3	ET-6107-0	1.8	---	P4	C	3340	TRIODE NO. 1.
ECC180	6.3	EV-7608-9	2.0	---	P4	C	4000	TRIODE NO. 2.
ECC180	6.3	EV-2103-9	2.0	---	P4	C	4000	TRIODE NO. 1.
ECC186	12.6	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 2.
ECC186	12.6	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 1.
ECC189	6.3	EV-7608-0	2.4	---	P4	C	7500	TRIODE NO. 2.
ECC189	6.3	EV-2103-0	2.4	---	P4	C	7500	TRIODE NO. 1.
ECC230	6.3	HY-0506-4	0.0	83	P3	G	----	TRIODE NO. 2. MAKE NO GAS TEST. NOTE 3.
FCC230	6.3	HY-0203-1	0.0	83	P3	G	----	TRIODE NO. 1. MAKE NO GAS TEST. NOTE 3.
FCC801	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 2.
FCC801	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 1.
ECC801S	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 2.
ECC801S	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 1.
ECC802	12.6	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 2.
ECC802	12.6	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 1.
ECC802S	12.6	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 2.
ECC802S	12.6	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 1.
ECC803	12.6	EV-7608-0	1.3	---	P4	D	875	TRIODE NO. 2.
ECC803	12.6	EV-2103-0	1.3	---	P4	D	875	TRIODE NO. 1.
ECC803S	12.6	EV-7608-0	1.3	---	P4	D	875	TRIODE NO. 2.
ECC803S	12.6	EV-2103-0	1.3	---	P4	D	875	TRIODE NO. 1.
ECC960	6.3	ET-5207-0	4.8	---	P4	D	3150	TRIODE NO. 2.
ECC960	6.3	ET-6107-0	4.8	---	P4	D	3150	TRIODE NO. 1.
ECC962	6.3	ET-6107-0	1.6	---	P4	C	3750	TRIODE NO. 2.
ECC962	6.3	ET-5207-0	1.6	---	P4	C	3750	TRIODE NO. 1. USE ADAPTER SA-11.
ECC2000	6.3	FW-8709-1	2.8	---	P4	B	9500	MODEL 539R# USE SA-11 & CA-4.
ECC2000	6.3	FW-3W02-1	2.8	---	P4	B	9500	NOTE 7.
ECF80	6.3	EV-2637-1	1.2	---	P4	C	3000	TRIODE NO. 2.
ECF80	6.3	EV-9108-6	4.8	---	P4	C	3000	PENTODE SECTION.
ECF82	6.3	EV-9108-0	0.8	---	P4	D	2400	TRIODE SECTION.
ECF82	6.3	EV-2637-0	0.8	---	P4	D	2400	PENTODE SECTION.
ECF83	6.3	EV-9678-0	1.0	---	P4	C	5350	TRIODE SECTION.
ECF83	6.3	EV-2301-0	1.0	---	P4	E	900	PENTODE SECT. PLATE VOLTS = LOW.
ECF86	6.3	EV-2893-0	0.8	---	P4	E	1000	TRIODE SECT. PLATE VOLTS = NORMAL.
ECF86	6.3	EV-6703-0	8.0	---	P4	C	5000	PENTODE SECTION.
ECF86	6.3	EV-6703-0	8.0	---	P4	C	4000	TRIODE SECTION.
ECF200	6.3	FW-3782-4	1.5	---	P4	C	4700	PENTODE SECTION. USE ADAPTER SA-11
ECF200	6.3	FW-W901-0	1.2	---	P4	D	3000	MODEL 539R# USE SA-11 & CA-4.
ECF201	6.3	FW-3782-4	1.5	---	P4	C	4400	NOTE 7.
ECF201	6.3	FW-W901-0	4.5	---	P4	C	3150	TRIODE SECTION.
ECF801	6.3	EV-2671-0	1.0	---	P4	C	4900	PENTODE SECTION.
ECF801	6.3	EV-9803-0	4.2	---	P4	C	6100	TRIODE SECTION.
ECF802	6.3	EV-2637-0	1.6	---	P4	D	2400	PENTODE SECTION.
ECF802	6.3	EV-9108-0	1.1	---	P4	D	2200	TRIODE SECTION.
ECF804	6.3	EV-2637-0	1.4	---	P4	C	4700	PENTODE SECTION.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	PLATE VOLTS	SCREEN	PRESS.	RANGE	W.T.M. MULTI. (OHMS)	NOTATIONS
ECH04	6.3	FV-9103-0	1.4	---	P4	E	4700	TRIODE SECTION.
ECH05	6.3	FV-7378-0	1.0	---	P4	C	4600	PENTODE SECTION.
ECH05	6.3	FV-9103-0	6.0	---	P4	D	3000	TRIODE SECTION.
ECH35	6.3	HS-0348-5	1.0	---	P4	F	1000	HEXODE SECTION. CAP = G.
ECH35	6.3	HS-5508-4	1.2	---	P4	D	2000	TRIODE SECTION.
ECH42	6.3	JR-6257-4	3.3	---	P4	F	810	HEPTODE SECTION (SEE BELOW)
ECH42	6.3	JR-4307-6	3.7	---	P4	F	950	TRIODE SECTION (SEE BELOW)
ECH81	6.3	FV-2613-7	3.5	---	P4	D	950	USE HICKOK ADAPTER SA-5, 1050-129.
ECH81	6.3	FV-5403-2	1.5	---	P4	D	2300	HEPTODE SECTION.
EC-83	6.3	FV-7163-2	3.0	---	P1	F	500	TRIODE SECTION.
EC-83	6.3	FV-7163-2	3.0	---	P1	F	500	HEPTODE SECTION. MAKE NO GAS TEST.
ECH83	6.3	FV-9803-0	0.8	---	P1	F	500	TRIODE SECTION. MAKE NO GAS TEST.
ECH84	6.3	FV-2672-1	0.4	---	---	F	750	HEPTODE SECTION. HOLD DOWN P1 AND PRESS P4.
ECH84	6.3	FV-9803-0	0.2	---	P4	D	2025	TRIODE SECTION. PLATE VOLTS = LOW.
ECH200	6.3	FW-3761-2	1.0	---	---	F	700	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539R# USE SA-11 & CA-4. NOTE 7.
ECH200	6.3	FW-8009-0	2.4	---	P4	C	3150	TRIODE SECTION.
ECL80	6.3	EV-9683-7	4.0	---	P4	D	2100	PENTODE SECTION.
ECL80	6.3	EV-2103-0	5.0	---	P4	D	850	TRIODE SECTION.
ECL82	6.3	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
ECL82	6.3	FV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
ECL83	6.3	FV-9587-0	4.0	---	P4	D	2650	PENTODE SECTION.
ECL83	6.3	FV-2103-0	4.0	---	P4	F	200	TRIODE SECTION.
ECL84	6.3	EV-8697-0	0.6	---	P4	C	6900	PENTODE SECTION.
ECL84	6.3	EV-1203-0	1.0	---	P4	D	2800	TRIODE SECTION.
ECL85	6.3	EV-9678-0	8.0	---	P4	C	4100	PENTODE SECTION.
ECL85	6.3	EV-2103-0	2.0	---	P4	D	2800	TRIODE SECTION.
ECL86	6.3	EV-8637-0	1.0	---	P4	C	5500	PENTODE SECTION.
ECL86	6.3	FV-1902-0	0.7	---	P4	E	550	TRIODE SECTION.
ECL800	6.3	EV-2397-0	2.0	---	P4	C	3400	PENTODE NO. 1. NOTE 8# 6-, 7+.
ECL800	6.3	EV-6897-0	2.0	---	P4	C	3400	PENTODE NO. 2. NOTE 8# 2-, 7+.
ECL800	6.3	EV-2107-0	2.0	---	P4	F	80	TRIODE SECTION.
ED500	6.3	EV-0801-0	0.0	---	P1	E	----	CAP = G. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168. NOTE 3.
EF22	6.3	JR-6237-4	4.8	---	P4	F	1070	
EF40	6.3	JR-5267-4	1.0	---	P4	E	1000	USE HICKOK ADAPTER SA-5, 1050-129.
EF41	6.3	JR-6257-0	3.0	---	P4	E	950	USE HICKOK ADAPTER SA-5, 1050-129.
EF42	6.3	JR-6257-4	0.5	---	P4	C	4600	USE HICKOK ADAPTER SA-5, 1050-129.
EF71	6.3	DW-1574-0	1.6	---	P4	D	1900	
EF80	6.3	EV-2781-9	0.5	---	P4	C	4500	
EF85	6.3	EV-2781-9	2.0	---	P4	D	2500	
EF86	6.3	EV-9613-8	1.5	---	P4	D	1150	
EF89	6.3	EV-2783-9	2.2	---	P4	D	1900	
EF91	6.3	ET-1572-6	1.0	---	P4	C	3800	
EF92	6.3	ET-1572-6	0.7	---	P4	D	1400	
EF93	6.3	ET-1567-2	1.0	---	P4	D	2070	
EF94	6.3	ET-1567-2	1.0	---	P4	C	2500	
EF95	6.3	ET-1562-0	1.8	---	P4	C	3150	
EF96	6.3	ET-1562-0	1.7	---	P4	D	2500	
EF97	6.3	ET-7652-1	0.0	---	P1	E	----	MAKE NO GAS TEST. NOTE 3.
EF98	6.3	ET-1652-7	0.0	---	P1	G	----	OK ABOVE 450 ON 3000 SCALE.
EF183	6.3	FV-2781-9	2.8	---	P4	C	3200	
EF184	6.3	FV-2781-9	1.2	---	P4	C	4900	
EF731	6.3	DW-1574-0	1.6	---	P4	D	1900	
EF732	6.3	DW-1574-0	2.0	---	P4	C	2500	
EF800	6.3	EV-2781-9	0.5	---	P4	C	4500	
EFR04	6.3	EV-9783-1	1.5	---	P4	D	1260	
EF805S	6.3	EV-2781-9	2.0	---	P4	D	2500	
EF806S	6.3	EV-9613-8	1.5	---	P4	D	1150	
EF861	6.3	EV-2791-8	0.4	---	P4	C	7000	
EF905	6.3	ET-1562-0	1.8	---	P4	C	3150	
EFL200	6.3	FW-8W97-0	2.2	---	P4	C	6300	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 539R# USE SA-11 & CA-4. NOTE 7.
								SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	PLATE VOLTS	SHUNT	PRESS.	BEAM	MJN. POT. CONTROL	NOTATIONS
EFL200	6.3	FT-1452-0	1.0	---	P4	C	5500	PENTODE NO. 2.
FH9C	6.3	FT-1562-7	0.0	---	P4	D	500	GRID NO. 1. PLATE VOLTS = LOW.
FH90	6.3	FT-1562-1	0.0	---	P4	D	790	GRID NO. 3. PLATE VOLTS = LOW.
FH900S	6.3	FT-1562-7	1.0	---	P4	D	700	GRID NO. 1 PLATE VOLTS=LOW
FH900S	6.3	FT-1562-1	1.0	---	P4	D	440	GRID NO. 3 PLATE VOLTS=LOW
EK90	6.3	FT-1562-1	0.0	---	---	D	440	AMPL. SECTION. HOLD DOWN P1 AND PRESS P4.
EK90	6.3	FT-1602-7	2.0	---	P4	C	4500	OSC. SECTION.
EL34	6.3	HS-5348-1	5.0	---	P4	C	3800	
EL36	6.3	HS-5048-0	11.0	---	P4	C	5000	CAP = P.
EL37	6.3	HS-5348-1	3.0	---	P4	C	3800	
EL38	6.3	HS-5048-1	0.0	---	P4	R	4500	CAP = P.
EL41	6.3	JK-6257-0	1.0	---	P4	C	6300	USE HICKOK ADAPTER SA-5, 1050-129.
EL42	6.3	JR-6257-0	2.8	---	P4	D	2000	USE HICKOK ADAPTER SA-5, 1050-129.
EL80	6.3	FV-2713-0	1.0	---	P4	C	5300	
EL81	6.3	EV-2073-1	16.0	---	P4	D	2900	CAP = P.
EL83	6.3	FV-2713-6	0.5	---	P4	C	6300	
EL84	6.3	EV-2793-0	1.0	---	P4	C	5650	TUBES INDICATING GAS* RETEST USING FV-1793-0.
EL85	6.3	EV-2793-0	2.8	---	P4	D	2000	
EL86	6.3	EV-2793-0	4.0	---	P4	C	4500	
EL90	6.3	FT-1562-0	2.1	---	P4	D	2600	
EL91	6.3	FT-1572-0	5.2	---	P4	D	1650	
EL95	6.3	ET-1562-0	1.0	---	P4	D	2900	
EL180	12.6	EV-2781-3	1.0	---	P4	C	5700	
EL360	6.3	HS-5048-0	11.0	---	P4	C	5000	CAP = P.
EL500	6.3	FV-2078-0	16.0	---	P4	C	5000	CAP = P. USE HICKOK ADAPTER SA-8, CODE NO. 1050-168.
EL503	6.3	FV-3986-0	5.8	---	P4	C	7300	USE HICKOK ADAPTER SA-8, 1050-168.
EL505	6.3	FV-1039-2	27.0	---	P4	D	2600	CAP = P. USE HICKOK ADAPTER SA-8, CODE NO. 1050-168.
EL508	6.3	EV-1637-0	12.0	---	P4	D	2600	USE HICKOK ADAPTER SA-8, 1050-168.
EL509	6.3	FV-1039-2	27.0	---	P4	D	2600	CAP=P. USE ADAPTER SA-8, 1050-168
EL803	6.3	EV-2713-6	0.5	---	P4	C	6300	
EL821	6.3	EV-2783-9	0.0	---	P4	C	6500	
EL822	6.3	EV-2783-9	0.0	---	P4	C	6500	
ELL80	6.3	FV-2317-0	2.0	---	P4	D	3300	PENTODE NO. 1.
ELL80	6.3	EV-6897-0	2.0	---	P4	D	3300	PENTODE NO. 2.
EM34	6.3	HS-4508-0	VARY	---	P5	A	----	CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO PIN 3 OF BIG 7 PIN SOCKET & ANOTHER 1 MEG. TO PIN 6. EYE 1 CLOSES AT BIAS OF ABOUT 5 & EYE 2 CLOSES AT BIAS OF ABOUT 20.
EM80	6.3	FV-1902-0	VARY	100	P4	G	----	CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE.
EM81	6.3	FV-1902-0	VARY	100	P4	G	----	CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE.
EM84	6.3	FV-1603-0	11.0	---	P4	G	----	SOLID BAR (SEE BELOW)
EM84	6.3	FV-1603-0	0.0	---	P4	G	----	SPLIT BAR (SEE BELOW)
EM87	6.3	FV-1603-0	6.0	---	P4	G	----	CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 470K, 1/2 W, 10% RESISTOR BETWEEN JUMPER & PIN 6 OF SAME SOCKET.
EM87	6.3	EV-1603-0	0.0	---	P4	G	----	SOLID BAR (SEE BELOW)
EM87	6.3	EV-1603-0	0.0	---	P4	G	----	SPLIT BAR (SEE BELOW)
EM87	6.3	EV-1603-0	0.0	---	P4	G	----	CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 100K, 1/2 W, 10% RESISTOR BETWEEN JUMPER & PIN 6 OF SAME SOCKET.
EMM801	6.3	EV-9203-1	10.0	---	P4	A	----	SOLID BAR (SEE BELOW)
EMM801	6.3	EV-9203-1	4.0	---	P4	A	----	SPLIT BAR (SEE BELOW)
EMM801	6.3	EV-9203-1	4.0	---	P4	A	----	CONNECT 390K, 1/2 W, 10% RESISTOR BETWEEN PINS 2 & 8 OF OCTAL TEST SOCKET.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	PLATE VOLTS	SHUNT	PRESS	RANGE	MIN. MULT. COND.	NOTATIONS
EMM801	6.3	EV-7203-1	10.0	---	P4	A	----	SOLID BAR (SEE BELOW)
EMM801	6.3	EV-7203-1	4.0	---	P4	A	----	SPLIT BAR (SEE BELOW)
								CONNECT 390K, 1/2 W, 10% RESISTOR BETWEEN PINS 2 & 6 OF LOC-TAL TEST SOCKET.
EMM803	6.3	EV-3601-0	9.0	---	P4	A	----	LARGE SOLID BAR (SEE BELOW)
EMM803	6.3	EV-3601-0	0.0	---	P4	A	----	SPLIT BAR (SEE BELOW)
								CONNECT 470K, 1/2 W, 10% RESISTOR BETWEEN PINS 6 & 9 OF NOVAL TEST SOCKET.
EMM803	6.3	EV-2601-0	3.0	---	P4	A	----	SMALL SOLID BAR (SEE BELOW)
EMM803	6.3	EV-2601-0	0.0	---	P4	A	----	NO BAR (SEE BELOW)
								CONNECT 1 MEGOHM, 1/2 W, 10% RESISTOR BETWEEN PINS 6 & 7 OF LOC-TAL TEST SOCKET.
EN91	6.3	ET-1602-5	---	89	P5	G	----	STRIKES AT ABOUT 1.8 V. NOTES 3&2.
E080	6.3	EV-7163-9	6.0	---	P4	F	630	
EY80	6.3	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
EY81	6.3	EV-0009-0	0.0	90	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
EY82	6.3	EV-0903-0	0.0	90	P3	G	----	NOTE 3.
EY84	6.3	EV-0003-0	0.0	88	P3	G	----	CAP = P. NOTE 3.
EY86	6.3	FS-0000-0	0.0	14	P5	G	----	CAP = P. NOTE 3.
EY87	6.3	ES-0000-0	0.0	14	P5	G	----	CAP = P. NOTE 3.
EY88	6.3	EV-0009-0	0.0	89	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
EY91	6.3	ET-0102-0	0.0	85	P3	G	----	NOTE 3.
EY500	6.3	EV-0007-0	0.0	90	P3	G	----	CAP = P. REVERSE METER USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3.
E22	6.3	HS-0508-1	0.0	85	P5	G	----	PLATE NO. 1 NOTE 3
E22	6.3	HS-0308-1	0.0	85	P5	G	----	PLATE NO. 2 NOTE 3
E235	6.3	HS-0508-1	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
E235	6.3	HS-0308-1	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
E240	6.3	JR-0207-0	0.0	80	P3	G	----	DIODE NO. 1. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3.
E240	6.3	JR-0607-0	0.0	80	P3	G	----	DIODE NO. 2. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3.
E280	6.3	EV-0703-1	0.0	80	P3	G	----	PLATE NO. 1. NOTE 3.
E280	6.3	EV-0103-7	0.0	80	P3	G	----	PLATE NO. 2. NOTE 3.
E281	6.3	EV-0703-0	0.0	87	P3	G	----	PLATE NO. 1. NOTE 3.
E281	6.3	EV-0103-0	0.0	87	P3	G	----	PLATE NO. 2. NOTE 3.
E290	6.3	ET-0607-1	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
E290	6.3	ET-0107-6	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
GY501	3.0	JR-0000-0	0.0	30	P5	G	----	CAP = P. USE HICKOK ADAPTER SA-8, 1050-168. NOTES 3 & 6.
G230	5.0	JS-0600-0	0.0	91	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
G230	5.0	JS-0400-0	0.0	91	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
G232	5.0	JS-0600-0	0.0	89	P3	G	----	PLATE NO. 1. NOTE 3.
G232	5.0	JS-0400-0	0.0	89	P3	G	----	PLATE NO. 2. NOTE 3.
G233	5.0	JS-0600-0	0.0	88	P3	G	----	PLATE NO. 1. NOTE 3.
G233	5.0	JS-0400-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
G234	5.0	JS-0600-0	0.0	88	P3	G	----	PLATE NO. 1. NOTE 3.
G234	5.0	JS-0400-0	0.0	88	P3	G	----	PLATE NO. 2. NOTE 3.
H63	6.3	HS-0408-1	0.9	---	P4	D	950	CAP = G.
H-1112	2.0	DR-4028-0	1.0	---	--	C	4100	CAP=P. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135.
H-1208	6.3	DR-4208-0	0.8	---	P4	C	7800	PLATE VOLTS = LOW.
HAA91	12.6	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
HAA91	12.6	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
HABC80	20.0	EV-8907-0	1.3	---	P4	E	750	TRIODE SECTION.
HABC80	20.0	EV-0607-0	0.0	-	P1	D	---	DIODE NO. 1. NOTE 3.
HABC80	20.0	EV-0203-0	0.0	-	P1	-	----	DIODE NO. 2. NOTE 3.
HABC80	20.0	EV-0107-0	0.0	-	P1	-	----	DIODE NO. 3. NOTE 3.
HBC90	12.6	ET-1702-0	1.5	---	P4	F	820	TRIODE SECTION.
HBC90	12.6	ET-1602-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
HBC90	12.6	ET-1502-0	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
HBC91	12.6	EI-1702-5	1.3	---	P4	F	800	TRIODE SECTION.
HBC91	12.6	ET-1602-5	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
HBC91	12.6	ET-1502-7	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
HCC85	20.0	EV-7608-0	1.5	---	P4	C	3600	TRIODE NO. 1.
HCC85	20.0	EV-2103-0	1.5	---	P4	C	3600	TRIODE NO. 2.
HCH81	12.6	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
HCH81	12.6	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
HCL82	35.0	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION
HCL82	35.0	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
HD14	1.4	HS-0300-0	0.8	---	P4	F	190	TRIODE SECTION. CAP = G. NOTE 6.
HD14	1.4	HS-0500-0	0.0	---	P1	D	----	DIODE SECTION. NOTES 3 & 6.
HD30	2.5	EV-3710-0	15.0	---	P4	E	1070	NOTE 6.
HD93	1.1	BS-0000-0	0.0	12	P5	G	----	CAP = P. NOTES 3 & 6.
HD94	6.3	HS-5048-0	12.0	---	P4	C	3500	CAP = P.
HD96	25.0	HS-5048-0	12.0	---	P4	C	3500	CAP = P.
HF61	6.3	JR-6257-0	3.0	---	P4	E	950	USE HICKOK ADAPTER SA-5, 1050-129.
HF62	6.3	JR-6257-4	0.5	---	P4	C	4600	USE HICKOK ADAPTER SA-5, 1050-129.
HF93	12.6	ET-1567-2	1.0	---	P4	D	2070	
HF94	12.6	ET-1567-2	1.0	---	P4	C	2500	
HK90	12.6	ET-7562-1	0.0	---	--	D	940	AMPL. SECTION. HOLD DOWN P1 AND PRESS P4.
HK90	12.6	ET-1602-7	2.0	---	P4	C	4500	OSC. SECTION.
HL90	20.0	ET-1562-0	2.1	---	P4	D	2600	
HL92	50.0	ET-2761-0	1.5	---	--	C	5650	HOLD DOWN P1 AND PRESS P4.
HL94	35.0	KT-2761-0	4.0	---	P4	C	4500	BEFORE PLACING TUBE IN SOCKET, COUNT COUNTERCLOCKWISE AND JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 4 & 9 OF 9 PIN MIN. SOCKET.
HM04	6.3	ET-7562-1	0.0	---	--	D	940	AMPL. SECTION. HOLD DOWN P1 AND PRESS P4.
HM04	6.3	ET-1602-7	2.0	---	P4	C	4500	OSC. SECTION.
HP6	6.3	ET-1572-6	1.0	---	P4	C	3800	
HY90	BLST	ET-0167-0	---	---	--	-	----	SHORT ON 1-2-3-5 AND AC RECT. SECTION.
HZ90	12.6	ET-0607-1	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
HZ90	12.6	ET-0107-6	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
KT61	6.3	HS-5348-0	0.0	---	P4	C	5250	
KT66	6.3	HS-5348-1	3.0	---	P4	C	3150	
KT88	6.3	HS-5348-1	1.4	---	P4	C	6250	
KTZ63	6.3	HS-0348-5	4.0	---	P4	E	770	CAP = G.
L63	6.3	HS-5308-0	3.7	---	P4	D	1640	
L77	6.3	ET-6107-0	4.8	---	P4	E	1380	
LC900	2.5	ET-1507-6	1.2	---	P4	C	8000	
LCF80	6.3	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
LCF80	6.3	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
LCF200	6.3	FW-3782-4	1.5	---	P4	C	4700	PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7.
LCF200	6.3	FW-W901-0	1.2	---	P4	D	3000	TRIODE SECTION.
LCF201	6.3	FW-3782-4	1.5	---	P4	C	4400	PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7.
LCF201	6.3	FW-W901-0	4.5	---	P4	C	3150	TRIODE SECTION.
LCF801	5.0	EV-2671-0	1.0	---	P4	C	4900	PENTODE SECTION.
LCF801	5.0	EV-9803-0	4.2	---	P4	C	6100	TRIODE SECTION.
LCF802	6.3	EV-2637-0	1.6	---	P4	D	2400	PENTODE SECTION.
LCF802	6.3	EV-9108-0	1.1	---	P4	D	2200	TRIODE SECTION.
LCH200	5.0	FW-3741-2	1.0	---	--	E	700	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7.
LCH200	5.0	FW-8W09-0	2.4	---	P4	C	3150	TRIODE SECTION.
LCL80	4.3	EV-2103-0	5.0	---	P4	D	850	TRIODE SECTION.
LCL80	4.3	EV-9683-7	4.0	---	P4	D	2100	PENTODE SECTION.
LCL82	10.0	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
LCL82	10.0	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.

TUBE TYPE	FIL.	SELEKTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
LCL84	10.0	EV-8697-0	0.6	---	P4	C	6900	PENTODE SECTION.
LCL84	10.0	EV-1203-0	1.0	---	P4	D	2800	TRIODE SECTION.
LCL85	10.0	EV-2103-0	2.0	---	P4	D	2800	TRIODE SECTION.
LCL85	10.0	EV-9678-0	8.0	---	P4	C	4100	PENTODE SECTION.
LFL200	10.0	FW-8W97-0	2.2	---	P4	C	6300	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7.
LFL200	10.0	FW-1432-0	1.0	---	P4	C	5300	PENTODE NO. 2.
LL86	10.0	EV-2793-0	4.0	---	P4	C	4500	
LL500	20.0	EV-2078-0	16.0	---	P4	C	5000	CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168.
LL505	25.0	EV-1039-2	27.0	---	P4	D	2600	CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168.
LL521	20.0	EV-8039-2	7.0	---	P4	C	5700	CAP = P. PLATE VOLTS = LOW. USE HICKOK ADAPTER SA-8, 1050-168.
LN119	50.0	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
LN119	50.0	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
LN152	6.3	EV-9683-7	4.0	---	P4	D	2100	PENTODE SECTION.
LN152	6.3	EV-2103-0	5.0	---	P4	D	850	TRIODE SECTION.
LN309	12.6	EV-9687-0	4.0	---	P4	D	2650	PENTODE SECTION.
LN309	12.6	EV-2103-0	4.0	---	P4	E	200	TRIODE SECTION.
LY81	6.3	EV-0009-0	0.0	90	P3	G	----	CAP=P. NOTE 3. REVERSE METER
LY88	20.0	EV-0009-0	0.0	89	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
LY500	25.0	EV-0007-0	0.0	90	P3	G	----	CAP = P. REVERSE METER. USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3.
LZ319	10.0	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION
LZ319	10.0	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION
M8079	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
M8079	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
M8081	6.3	ET-5207-0	1.8	---	P4	C	3340	TRIODE NO. 1.
M8081	6.3	ET-6107-0	1.8	---	P4	C	3340	TRIODE NO. 2.
M8098	OFF	AP-0102-0	---	---	P4	H	85V	STARTS AT ABOUT 125V. REGULATION = 3 VOLTS FROM 1 TO 10 MA.
M8100	6.3	ET-1562-0	1.8	---	P4	C	3150	
M8136	12.6	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 1.
M8136	12.6	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 2.
M8137	12.6	EV-7608-0	1.3	---	P4	D	875	TRIODE NO. 1.
M8137	12.6	EV-2103-0	1.3	---	P4	D	875	TRIODE NO. 2.
M8162	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 1.
M8162	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 2.
M8195	6.3	EV-6913-8	1.5	---	P4	D	1150	
M8196	6.3	ET-1562-7	1.8	---	P4	D	1400	
M8212	6.3	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
M8212	6.3	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
N14	6.3	HS-5308-0	4.2	---	P4	E	1260	
N17	2.5	HR-3240-0	5.0	---	P4	E	950	PLATE VOLTS = LOW. NOTE 6.
N18	3.0	HR-3240-0	4.0	---	P4	E	1350	NOTE 6.
N19	3.0	HR-6230-0	6.0	---	P4	E	1260	NOTE 6.
N22LL	20.0	EV-7963-2	20.0	---	P4	C	4400	USE HICKOK ADAPTER SA-8, 1050-168.
N30EL	6.3	B3-5032-4	23	---	P4	C	5200	CAP=P. NOTE 7.
N77	6.3	ET-1572-0	5.3	---	P4	D	1650	
N78	6.3	ET-1572-0	1.0	---	P4	C	5000	
N119	50.0	EV-2793-0	4.0	---	P4	C	4500	
N144	6.3	ET-1572-0	5.3	---	P4	D	1650	
N151	6.3	JR-6257-0	2.8	---	P4	D	2000	USE HICKOK ADAPTER SA-5, 1050-129.
N152	20.0	EV-2083-9	13.0	---	P4	C	3800	CAP = P.
N153	12.6	EV-2713-6	1.0	---	P4	C	6300	
N154	20.0	EV-2793-0	6.0	---	P4	D	3500	DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETED. ALLOW 60 SEC. FOR WARM-UP & 5 SEC. FOR GM READ- INGS. KEEP LINE ADJUSTED AT 80 V.
N309	12.6	EV-2713-6	1.0	---	P4	C	6300	
N329	20.0	EV-2793-0	6.0	---	P4	D	3500	DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETED. ALLOW 60 SEC. FOR WARM-UP & 5 SEC. FOR GM READ- INGS. KEEP LINE ADJUSTED AT 80 V.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRFSS	RANGE	MIN. MUT. COND.	NOTATIONS
N359	20.0	EV-2083-9	13.0	---	P4	C	3800	CAP = P.
N369	12.6	EV-3672-0	7.2	---	P4	D	3100	PENTODE SECTION
N369	12.6	EV-1908-0	0.5	---	P4	D	1650	TRIODE SECTION
N709	6.3	EV-2793-0	1.0	---	P4	C	5650	TUBES INDICATING GAS# RETEST USING EV-1793-0.
N727	6.3	ET-1562-0	2.1	---	P4	D	2600	
OM4	6.3	HS-0308-0	2.4	---	P4	E	1260	TRIODE SECTION CAP = G.
OM4	6.3	HS-0508-0	2.4	---	P1	---	---	DIODE NO. 1. NOTE 3.
OM4	6.3	HS-0408-0	2.4	---	P1	C	----	DIODE NO. 2. NOTE 3.
PABC80	10.0	EV-8907-6	1.3	---	P4	E	750	TRIODE SECTION.
PABC80	10.0	EV-0607-1	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
PABC80	10.0	EV-0203-7	0.0	---	P1	E	----	DIODE NO. 2. NOTE 3.
PABC80	10.0	EV-0107-8	0.0	---	P1	E	----	DIODE NO. 3. NOTE 3.
PC86	4.3	EV-2103-0	1.2	---	P4	B	8800	
PC88	4.3	EV-9802-0	1.3	---	P4	E	7500	
PC95	3.0	ET-2567-0	0.8	---	P4	C	6600	
PC97	4.3	ET-2501-6	1.4	---	P4	C	7000	
PC900	4.3	ET-1507-6	1.2	---	P4	C	8000	
PCC84	7.5	EV-6907-0	3.8	---	P4	C	3750	TRIODE NO. 1.
PCC84	7.5	FV-2301-0	3.8	---	P4	C	3750	TRIODE NO. 2.
PCC85	10.0	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 1.
PCC85	10.0	FV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 2.
PCC88	7.5	EV-7608-0	3.0	---	P4	C	7750	TRIODE NO. 1.
PCC88	7.5	FV-2103-0	3.0	---	P4	C	7750	TRIODE N3. 2.
PCC89	7.5	EV-6908-0	2.4	---	P4	C	6000	TRIODE NO. 1.
PCC89	7.5	FV-2301-0	2.4	---	P4	C	6000	TRIODE NO. 2.
PCC189	7.5	EV-7608-0	2.4	---	P4	C	7500	TRIODE NO. 1.
PCC189	7.5	EV-2103-0	2.4	---	P4	C	7500	TRIODE NO. 2.
PCF80	10.0	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
PCF80	10.0	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
PCF82	10.0	EV-2637-0	0.8	---	P4	D	2400	PENTODE SECTION.
PCF82	10.0	EV-9108-0	1.0	---	P4	C	5350	TRIODE SECTION.
PCF86	7.5	EV-2893-0	0.8	---	P4	C	5050	PENTODE SECTION.
PCF86	7.5	EV-6703-0	8.0	---	P4	C	4000	TRIODE SECTION.
PCF200	7.5	FW-3782-4	1.5	---	P4	C	4700	PENTODE SECTION. USE ADAPTER SA-11 MODEL 5398# USE SA-11 & CA-4. NOTE 7.
PCF200	7.5	FW-W901-0	1.2	---	P4	D	3000	TRIODE SECTION.
PCF201	7.5	FW-3782-4	1.5	---	P4	C	4400	PENTODE SECTION. USE ADAPTER SA-11 MODEL 5398# USE SA-11 & CA-4. NOTE 7.
PCF201	7.5	FW-W901-0	4.5	---	P4	C	3150	TRIODE SECTION.
PCF801	7.5	EV-2671-0	1.0	---	P4	C	4900	PENTODE SECTION.
PCF801	7.5	EV-9803-0	4.2	---	P4	C	6100	TRIODE SECTION.
PCF802	10.0	EV-2637-0	1.6	---	P4	D	2400	PENTODE SECTION.
PCF802	10.0	EV-9108-0	1.1	---	P4	D	2200	TRIODE SECTION.
PCF805	7.5	EV-7328-0	1.0	---	P4	C	4600	PENTODE SECTION.
PCF805	7.5	EV-9108-0	6.0	---	P4	D	3000	TRIODE SECTION.
PCH200	10.0	FW-3741-2	1.0	---	---	E	700	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7.
PCH200	10.0	FW-8W09-0	2.4	---	P4	C	3150	TRIODE SECTION.
PCL82	12.6	EV-3672-0	7.2	---	P4	D	3100	PENTODE SECTION.
PCL82	12.6	EV-1908-0	0.5	---	P4	D	1650	TRIODE SECTION.
PCL83	12.6	EV-9687-0	4.0	---	P4	D	2650	PENTODE SECTION.
PCL83	12.6	EV-2103-0	4.0	---	P4	E	200	TRIODE SECTION.
PCL84	12.6	EV-8697-0	0.6	---	P4	C	6900	PENTODE SECTION.
PCL84	12.6	EV-1203-0	1.0	---	P4	D	2800	TRIODE SECTION.
PCL85	20.0	EV-9678-0	8.0	---	P4	C	4100	PENTODE SECTION.
PCL85	20.0	FV-2103-0	2.0	---	P4	D	2800	TRIODE SECTION.
PCL86	12.6	EV-8637-0	1.0	---	P4	C	5500	PENTODE SECTION.
PCL86	12.6	EV-1902-0	0.7	---	P4	E	550	TRIODE SECTION.
PD500	10.0	EV-0801-0	0.0	---	P1	E	----	CAP = G. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168. NOTE 3.

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT. COND.	NOTATIONS
PF86	4.3	EV-9613-8	1.5	---	P4	D	1150	
PFL200	20.0	FW-8W97-0	1.4	---	P4	C	6300	PENTODE NO. 1. SET POWER ADJUST AT 90V. USE ADAPTER SA-11. MODEL 539B USE SA-11 & CA-4. NOTE 7.
PFL200	20.0	FW-1432-0	0.5	---	P4	C	5300	PENTODE NO. 2. SET POWER ADJUST AT 90V.
PL21	6.3	ET-1602-5	---	89	P5	G	----	STRIKES @ ABOUT 1.8V. NOTES 3&2.
PL36	25.0	HS-5048-0	11.0	---	P4	C	5000	CAP = P.
PL81	20.0	EV-2083-9	13.0	---	P4	C	3800	CAP = P.
PL82	20.0	EV-2793-0	6.0	---	P4	D	3500	DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETED. ALLOW 60 SEC. FOR WARM-UP & 5 SEC. FOR GM READINGS. KEEP LINE ADJUSTED AT 80 V.
PL83	12.6	EV-2713-6	1.0	---	P4	C	6300	
PL84	12.6	EV-2793-0	8.0	---	P4	C	6300	SET POWER ADJUST AT 114 VOLTS.
PL500	25.0	EV-2078-0	16.0	---	P4	C	5000	CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168.
PL505	35.0	EV-1039-2	27.0	---	P4	D	2600	CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168.
PL508	20.0	EV-1637-0	12.0	---	P4	D	2600	SET CATH. ACT. SWITCH TO TEST.
PL521	25.0	EV-8039-2	7.0	---	P4	C	5700	USE HICKOK ADAPTER SA-8, 1050-168. CAP = P. PLATE VOLTS = LOW. USE HICKOK ADAPTER SA-8, 1050-168.
PLL80	12.6	EV-2317-0	2.0	---	P4	D	3300	PENTODE NO. 1.
PLL80	12.6	EV-6897-0	2.0	---	P4	D	3300	PENTODE NO. 2.
PM04	6.3	ET-1567-2	1.0	---	P4	D	2070	
PM05	6.3	ET-1562-0	1.8	---	P4	C	3150	
PM07	6.3	ET-1572-6	1.0	---	P4	C	3800	
PM84	4.3	EV-1603-0	11.0	---	P4	G	----	SOLID BAR (SEE BELOW)
PM84	4.3	EV-1603-0	0.0	---	P4	G	----	SPLIT BAR (SEE BELOW)
								CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 470K, 1/2W, 10 % RESISTOR BETWEEN JUMPER & PIN 6 OF SAME SOCKET
PY80	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
PY81	20.0	EV-0009-0	0.0	90	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
PY82	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
PY88	25.0	EV-0009-0	0.0	89	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
PY500	50.0	EV-0007-0	0.0	90	P3	G	----	CAP = P. METER REVERSE USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3.
PY800	20.0	EV-0009-0	0.0	---	P3	F	----	CAP = P. REVERSE METER. NOTE 3.
QA2403	6.3	ET-1572-6	1.0	---	P4	C	3800	
QA2406	12.6	EV-7608-0	1.6	---	P4	D	2500	TRIODE NO. 1.
QA2406	12.6	EV-2103-0	1.6	---	P4	D	2500	TRIODE NO. 2.
QE03/10	6.3	EV-9167-3	0.0	---	P4	C	4400	
QE05/40	6.3	HS-5031-8	10.5	---	P4	C	4400	CAP = P.
QE05/40F	12.6	HS-5031-8	10.5	---	P4	C	4400	CAP = P.
QE05/40H	25.0	HS-5031-8	10.5	---	P4	C	4400	CAP = P.
QE06/50	6.3	FR-3024-0	6.0	---	P4	D	2400	CAP = P.
QQE02/5	12.6	EV-3872-0	3.5	---	P4	D	3150	TETRODE NO. 1. NOTE 8# 1-, 2+.
QQE02/5	12.6	EV-1672-0	3.5	---	P4	D	3150	TETRODE NO. 2. NOTE 8# 3-, 2+.
QQE03/12	12.6	EV-3872-0	8.0	---	P4	D	2100	TETRODE NO. 1. NOTE 8# 1-, 2+.
QQE03/12	12.6	EV-1672-0	8.0	---	P4	D	2100	TETRODE NO. 2. NOTE 8# 3-, 2+.
QQE03/20	12.6	HR-2034-0	5.0	---	P4	E	1550	TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
QQE03/20	12.6	HR-6035-0	5.0	---	P4	E	1550	TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
QQE06/40	12.6	HR-2034-0	5.6	---	P4	D	2400	PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
QQE06/40	12.6	HR-6034-0	5.6	---	P4	D	2400	PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
QQV02/6	12.6	EV-3872-0	3.5	---	P4	D	3150	TETRODE NO. 1. NOTE 8# 1-, 2+.
								SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
QQV02/6	12.6	EV-1672-0	3.5	---	P4	D	3150	TETRODE NO. 2. NOTE 8# 3-, 2+.
QQV03/10	12.6	EV-3872-0	8.0	---	P4	D	2100	TETRODE NO. 1. NOTE 8# 1-, 2+.
QQV03/10	12.6	EV-1672-0	8.0	---	P4	D	2100	TETRODE NO. 2. NOTE 8# 3-, 2+.
QQV03/20A	12.6	HR-2034-0	5.0	---	P4	E	1550	TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
QQV03/20A	12.6	HR-6034-0	5.0	---	P4	E	1550	TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
QQV06/40	12.6	HR-6034-0	5.6	---	P4	D	2400	PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP.
QQV06/40	12.6	HR-2034-0	5.6	---	P4	D	2400	PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP.
QS95/10	OFF	AP-0501-0	---	---	P4	H	95V	REGULATION = 5 VOLTS, 2 TO 10 MA. CONNECT A 470K RESISTOR BETWEEN PINS 1 & 4 OF ANY TEST SOCKET. STARTS AT ABOUT 110 VOLTS.
QV05/25	6.3	FR-3024-0	6.0	---	P4	D	2400	CAP = P.
STV85/10	OFF	AP-0102-0	---	---	P4	H	85V	STARTS AT ABOUT 125V.
STV108/30	OFF	AP-0502-0	---	---	P4	H	108V	REGULATION = 3V FROM 1 TO 10 MA. STARTS AT ABOUT 115V.
STV150/30	OFF	AP-0502-0	---	---	P4	H	150V	REGULATION = 2V FROM 5 TO 30 MA. STARTS AT ABOUT 155V.
U26	6.3	ES-0000-0	0.0	14	P5	G	----	REGULATION = 2V FROM 5 TO 30 MA. CAP = P. NOTE 3.
U49	6.3	ES-0000-0	0.0	14	P5	G	----	CAP = P. NOTE 3.
U50	5.0	JS-0600-0	0.0	80	P3	G	----	PLATE NO. 1 NOTES 3 & 6
U50	5.0	JS-0400-0	0.0	75	P3	G	----	PLATE NO. 2 NOTES 3 & 6
U52	5.0	JS-0600-0	0.0	87	P3	G	----	PLATE NO. 1. NOTES 3 & 6.
U52	5.0	JS-0400-0	0.0	84	P3	G	----	PLATE NO. 2. NOTES 3 & 6.
U70	6.3	HS-0508-1	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
U70	6.3	HS-0308-1	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
U78	6.3	ET-0607-1	0.0	85	P3	G	----	PLATE NO. 1. NOTE 3.
U78	6.3	ET-0107-6	0.0	85	P3	G	----	PLATE NO. 2. NOTE 3.
U119	35.0	EV-0903-0	0.0	88	P3	G	----	NOTE 3.
U152	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
U153	20.0	EV-0009-0	0.0	90	P3	G	----	CAP = P REVERSE METER. NOTE 3.
U154	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
U192	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3.
U309	20.0	EV-0903-0	0.0	91	P3	G	----	NOTE 3
U381	35.0	EV-0903-0	0.0	88	P3	G	----	NOTE 3.
U709	6.3	EV-0703-0	0.0	87	P3	G	----	PLATE NO. 1. NOTE 3.
U709	6.3	EV-0103-0	0.0	87	P3	G	----	PLATE NO. 2. NOTE 3.
UAA91	20.0	ET-0701-6	0.0	0	P1	G	----	DIODE NO. 1. NOTE 3.
UAA91	20.0	ET-0205-6	0.0	0	P1	G	----	DIODE NO. 2. NOTE 3.
UABC80	25.0	EV-8907-0	1.3	---	P4	E	750	TRIODE SECTION.
UABC80	25.0	EV-0607-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
UABC80	25.0	EV-0203-0	0.0	---	P1	E	----	DIODE NO. 2. NOTE 3.
UABC80	25.0	EV-0107-0	0.0	---	P1	E	----	DIODE NO. 3. NOTE 3.
UAF42	12.6	JR-6257-4	4.4	---	P4	E	750	PENTODE SECTION.
UAF42	12.6	JR-0307-0	0.0	---	P1	C	----	DIODE SECTION. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3.
UB41	20.0	JR-0607-0	0.0	0	P1	G	----	DIODE NO. 1 NOTE 3
UB41	20.0	JR-0403-0	0.0	0	P1	G	----	DIODE NO. 2 NOTE 3. (SEE BELOW)
UBC41	12.6	JR-3207-0	1.3	---	P4	E	790	USE HICKOK ADAPTER SA-5, 1050-129 TRIODE SECTION.
UBC41	12.6	JR-0607-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
UBC41	12.6	JR-0507-0	0.0	---	P1	C	----	DIODE NO. 2. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3.
UBC81	12.6	EV-2103-0	1.3	---	P4	E	790	TRIODE SECTION.
UBC81	12.6	EV-0603-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
UBC81	12.6	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
UBF80	20.0	EV-2613-9	0.9	---	P4	E	1400	PENTODE SECTION.
SEE NEXT PAGE FOR CONTINUATION								

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
UBF80	20.0	EV-0703-0	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
UBF80	20.0	EV-0803-0	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.
UBF89	20.0	EV-2613-9	2.6	---	P4	D	1800	PENTODE SECTION.
UBF89	20.0	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 1. NOTE 3.
UBF89	20.0	EV-0705-0	0.0	---	P1	C	----	DIODE NO. 2. NOTE 3.
UC92	10.0	ET-6107-0	1.6	---	P4	D	2500	
UCC85	25.0	EV-7608-9	1.6	---	P4	D	2500	TRIODE NO. 1.
UCC85	25.0	EV-2103-9	1.6	---	P4	D	2500	TRIODE NO. 2.
UCH42	12.6	JR-6257-4	3.3	---	P4	E	950	HEXODE SECTION.
UCH42	12.6	JR-4307-6	4.7	---	P4	E	950	TRIODE SECTION.
								USE HICKOK ADAPTER SA-5, 1050-129.
UCH81	20.0	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
UCH81	20.0	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
UCL82	50.0	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
UCL82	50.0	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
UCL83	35.0	EV-9687-0	4.0	---	P4	D	2650	PENTODE NO. 1.
UCL83	35.0	EV-2103-0	4.0	---	P4	E	200	PENTODE NO. 2.
UF41	12.6	JR-6257-0	3.0	---	P4	E	950	USE HICKOK ADAPTER SA-5, 1050-129.
UF42	20.0	JR-6257-4	0.5	---	P4	C	4600	USE HICKOK ADAPTER SA-5, 1050-129.
UF80	20.0	EV-2781-9	0.5	---	P4	C	4500	
UF85	20.0	EV-2781-9	2.0	---	P4	D	2500	
UF86	12.6	EV-9613-8	1.5	---	P4	D	1150	
UF89	12.6	EV-2783-9	2.2	---	P4	D	1900	
UL41	50.0	JR-6257-0	1.0	---	P4	C	6300	USE HICKOK ADAPTER SA-5, 1050-129.
UL84	50.0	EV-2793-0	4.0	---	P4	C	4500	
UM80	20.0	EV-1902-0	VARY	100	P4	G	----	CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM.
UY41	35.0	BY-0207-0	0.0	82	P3	G	----	SET POWER ADJUST @ 85. USE HICKOK ADAPTER SA-5, 1050-129. NOTE 3.
UY42	35.0	BY-0207-0	0.0	82	P3	G	----	SET POWER ADJUST @ 85. USE HICKOK ADAPTER SA-5, 1050-129. NOTE 3.
UY85	35.0	EV-0903-0	0.0	88	P3	G	----	NOTE 3.
UY89	35.0	EV-0903-0	0.0	82	P3	G	----	SET POWER ADJUST AT 85V. NOTE 3.
W17	1.4	BX-6230-0	0.0	---	P4	E	490	PLATE VOLTS = LOW. NOTE 6.
W77	6.3	ET-1572-6	0.7	---	P4	D	1400	
WD119	20.0	EV-2613-9	2.6	---	P4	D	1800	PENTODE SECTION
WD119	20.0	EV-0803-0	0.0	---	P1	C	----	DIODE NO. 1 NOTE 3
WD119	20.0	EV-0705-0	0.0	---	P1	C	----	DIODE NO. 2 NOTE 3
X17.	1.4	BX-4306-2	2.0	---	P4	E	880	PLATE VOLTS = LOW. NOTE 6.
X78	6.3	ET-2510-7	7.2	---	P4	E	485	HEXODE SECTION.
X78	6.3	ET-7600-0	1.8	---	P4	A	15000	TRIODE SECTION.
X108	20.0	ET-2510-7	7.2	---	P4	E	485	HEXODE SECTION.
X108	20.0	ET-7600-0	1.8	---	P4	A	15000	TRIODE SECTION.
X119	20.0	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
X119	20.0	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
X142	12.6	JR-6257-4	3.3	---	P4	E	800	HEXODE SECT. USE HICKOK ADAPTER SA-5, CODE NO. 1050-129.
X142	12.6	JR-4307-6	4.7	---	P4	F	900	TRIODE SECTION.
X719	6.3	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
X719	6.3	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
X727	6.3	ET-7562-1	0.0	---	--	D	940	AMPL. SECTION. HOLD DOWN P1 AND PRESS P4.
X727	6.3	ET-1602-7	2.0	---	P4	C	4500	OSC. SECTION.
XC95	2.0	ET-2567-0	0.8	---	P4	C	6600	
XC97	2.5	ET-2501-6	1.4	---	P4	C	7000	
XC900	2.0	ET-1502-6	1.2	---	P4	C	8000	
XCC82	6.3	EV-7608-0	3.2	---	P4	D	1950	TRIODE NO. 1.
XCC82	6.3	EV-2103-0	3.2	---	P4	D	1950	TRIODE NO. 2.
XCC189	4.3	EV-7608-0	2.4	---	P4	C	7500	TRIODE NO. 1.
XCC189	4.3	EV-2103-0	2.4	---	P4	C	7500	TRIODE NO. 2.
XCF80	4.3	EV-2637-1	1.2	---	P4	C	3000	PENTODE SECTION.
XCF80	4.3	EV-9108-6	4.8	---	P4	C	3000	TRIODE SECTION.
XCF86	5.0	EV-2893-0	0.6	---	P4	C	5400	PENTODE SECTION.
								SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS VOLTS	SHUNT	PRESS	RANGE	MIN. MUT.COND.	NOTATIONS
XCF86	5.0	EV-6703-0	5.4	---	P4	D	3000	TRIODE SECTION.
XCF801	6.3	EV-2671-0	1.0	---	P4	C	4900	PENTODE SECTION.
XCF801	6.3	EV-9803-0	4.2	---	P4	C	6100	TRIODE SECTION.
XCH81	3.0	EV-2613-7	3.5	---	P4	D	950	HEPTODE SECTION.
XCH81	3.0	EV-9803-2	1.5	---	P4	D	2300	TRIODE SECTION.
XCL82	7.5	EV-3672-0	7.4	---	P4	D	2700	PENTODE SECTION.
XCL82	7.5	EV-1908-0	0.6	---	P4	E	1350	TRIODE SECTION.
XCL84	7.5	EV-8697-0	0.6	---	P4	C	6900	PENTODE SECTION.
XCL84	7.5	EV-1203-0	1.0	---	P4	D	2800	TRIODE SECTION.
XCL85	10.0	EV-9678-0	8.0	---	P4	C	4100	PENTODE SECTION.
XCL85	10.0	EV-2103-0	2.0	---	P4	D	2800	TRIODE SECTION.
XF80	3.0	EV-2781-9	0.5	---	P4	C	4500	
XF85	3.0	EV-2781-9	2.0	---	P4	D	2500	
XF86	2.5	EV-9613-0	1.5	---	P4	D	1150	
XF183	3.0	EV-2781-9	2.8	---	P4	C	3200	
XF184	3.0	EV-2781-9	1.2	---	P4	C	4900	
XL36	12.6	HS-5048-0	11.0	---	P4	C	5000	CAP = P.
XL84	7.5	EV-2793-0	1.0	---	P4	C	5650	TUBES INDICATING GAS# RETEST USING EV-1793-0.
XL86	7.5	EV-2793-0	4.0	---	P4	C	4500	
XL500	12.6	EV-2078-0	16.0	---	P4	C	5000	CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168.
XY88	20.0	EV-0009-0	0.0	89	P3	G	----	CAP = P. REVERSE METER. NOTE 3.
YC95	3.0	ET-2567-0	0.8	---	P4	C	6600	
YC97	3.0	ET-2501-6	1.4	---	P4	C	7000	
YCC189	5.0	EV-7608-0	2.4	---	P4	C	7500	TRIODE NO. 1.
YCC189	5.0	EV-2103-0	2.4	---	P4	C	7500	TRIODE NO. 2.
YF183	4.3	EV-2781-9	2.4	---	P4	C	3200	
YF184	4.3	EV-2781-9	1.2	---	P4	C	4900	
YL84	10.0	EV-2793-0	1.0	---	P4	C	5650	TUBES INDICATING GAS#RE-TEST USING EV-1793-0
YL1080	1.4	EV-1670-3	1.0	---	P4	D	2200	TETRODE NO. 1.
YL1080	1.4	EV-3870-1	1.0	---	P4	D	2200	TETRODE NO. 2.
YL1370	6.3	HS-5031-8	10.5	---	P4	C	4400	CAP=P.
YL1371	12.6	HS-5031-8	10.5	---	P4	C	4400	CAP=P.
YL1372	25.0	HS-5031-8	10.5	---	P4	C	4400	CAP=P.
Z63	6.3	HS-0348-5	4.0	---	P4	E	770	CAP = G.
Z77	6.3	ET-1572-6	1.0	---	P4	C	3800	
Z142	20.0	JR-6257-4	0.5	---	P4	C	4600	USE HICKOK ADAPTER SA-5, 1050-129.
Z150	6.3	JR-6257-4	0.5	---	P4	C	4600	USE HICKOK ADAPTER SA-5, 1050-129.
Z152	6.3	EV-2781-9	0.5	---	P4	C	4500	
Z719	6.3	EV-2781-9	0.5	---	P4	C	4500	
Z729	6.3	EV-9613-8	1.5	---	P4	D	1150	
ZD17	1.4	BX-6540-0	1.0	---	P4	E	390	PENTODE SECTION PLATE VOLTS = LOW. NOTE 6.
ZD17	1.4	BX-0340-0	0.0	---	P1	D		DIODE SECTION. NOTES 3 & 6.
ZD152	6.3	EV-2613-9	0.9	---	P4	E	1400	PENTODE SECTION.
ZD152	6.3	EV-2713-9	0.0	---	P1	D	----	DIODE NO. 1. NOTE 3.
ZD152	6.3	EV-2813-9	0.0	---	P1	D	----	DIODE NO. 2. NOTE 3.

ADAPTERS

for

TUBE TESTERS

As new tube types with new basing arrangements are developed, Hickok makes Adapters to accommodate them. These Adapters consist of the new bases which plug into a socket on your Tube Tester and thus enlarge its scope to the extent of the new basings. This Hickok policy greatly extends the useful life of your Tester. Consult the following list of Adapters with

their descriptions to determine which Adapter meets your requirements. Please order by both Model and Code number of the Adapter, as well as indicating the Model and Serial number of the Tube Tester with which the Adapter is to be used.

Model No.	Code No.	
CA-5	1050-164	Adapter - Latest Tube Bases: This adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvisitors and the new 10-pin tubes, including Decals. Three selector switches provide selection of tube elements on the latest based tubes and a permanently attached lead provides for top cap tube connections. The adapter is supplied with a connecting cable terminating in a Noval plug which is plugged into the tube tester Noval test socket.
SA-1	1050-94	Subminiature Adapter, with sockets for testing 7-pin inline and 8-pin round tube types on some early units of Models 539B, 539C, 580, 750, 752, 752A, 6000, 6000A and 6005 Tube Testers that were not supplied with these sockets on their panels, although most of the above Testers are equipped with these sockets. Check your particular Tester before ordering.
SA-2	1050-99	Subminiature Adapter, with sockets for testing 7-pin inline and 8-pin round tube types on some early units of Models 533A, 600A, 800, 800A and 1575 Tube Testers that were not supplied with these sockets on their panels, although most of the above Testers are equipped with these sockets. Check your particular Tester before ordering.
SA-3	1050-127	Nuvisitor Adapter, for testing 5-pin Nuvisitor tube types on all Hickok Tube Testers not supplied with this socket on the panel. NOTE: This socket is also on the CA-4, 1050-135 (and CA-5, 1050-164) Universal Adapters. If you have a Universal Adapter, this Nuvisitor Adapter is unnecessary.
SA-4	1050-144	Novar Adapter, for testing all Novar tube types on all Hickok Tube Testers not supplied with this socket on the panel. NOTE: This socket is also on the CA-4, 1050-135 (and CA-5, 1050-164) Universal Adapters. If you have a Universal Adapter, this Novar Adapter is unnecessary.
SA-5	1050-129	Rimlock Adapter, for testing Foreign Rimlock tube types on all Hickok Tube Testers.
SA-6	1050-107	Septar Adapter, for testing Septar tube types such as 829B, 832A, etc., on all Hickok Tube Testers.
SA-7	1050-9	Acorn Adapter, for testing Acorn tube types on all Hickok Tube Testers not supplied with this socket on the panel.
SA-8	1050-168	Magnoval Adapter, for testing Magnoval tube types on all Hickok Tube Testers not supplied with this socket. CAUTION: Any attempt to force a Magnoval tube type into a Novar socket (it can be done) will spread the pin contacts in the socket and render it permanently useless for testing Novar tube types.
SA-9	1050-121	Pencil Tube Adapter, for testing Pencil tube types on all Hickok Tube Testers.
SA-11	1050-177	Decal Adapter, for testing 10-pin Decal tube types on all Hickok Tube Testers not supplied with this socket on panel. The following list of early Hickok Tube Testers also require a CA-4, 1050-135, Universal Adapter be used in conjunction with this Adapter: Models 533A, 539B, 600A, 605A, 750, 752, 800, 1575, 6000 and 6005.

